the metropolitan toronto and region conservation authority

34th Annual Report – 1990

Mission Statement

92-05501/

The Metropolitan Toronto and Region Conservation Authority is a provincial/municipal partnership established in 1957, under the Conservation Authorities Act, to manage the renewable natural resources of the region's watersheds.

Metro Region Conservation, with one-third of Ontario's population within its area of jurisdiction, acts in the community's interest through advocating and implementing watershed management programs that

- maintain and improve the quality of the region's lands and waters;
- contribute to public safety from flooding and erosion;
- provide for the acquisition of conservation and hazard lands; and
- enhance the quality and variety of life in the community by using its lands for inter-regional outdoor recreation, heritage preservation, and conservation education.

Metro Region Conservation shall seek to fulfil its mission and serve the needs of its constituency in accordance with the highest standards of ethics and integrity.

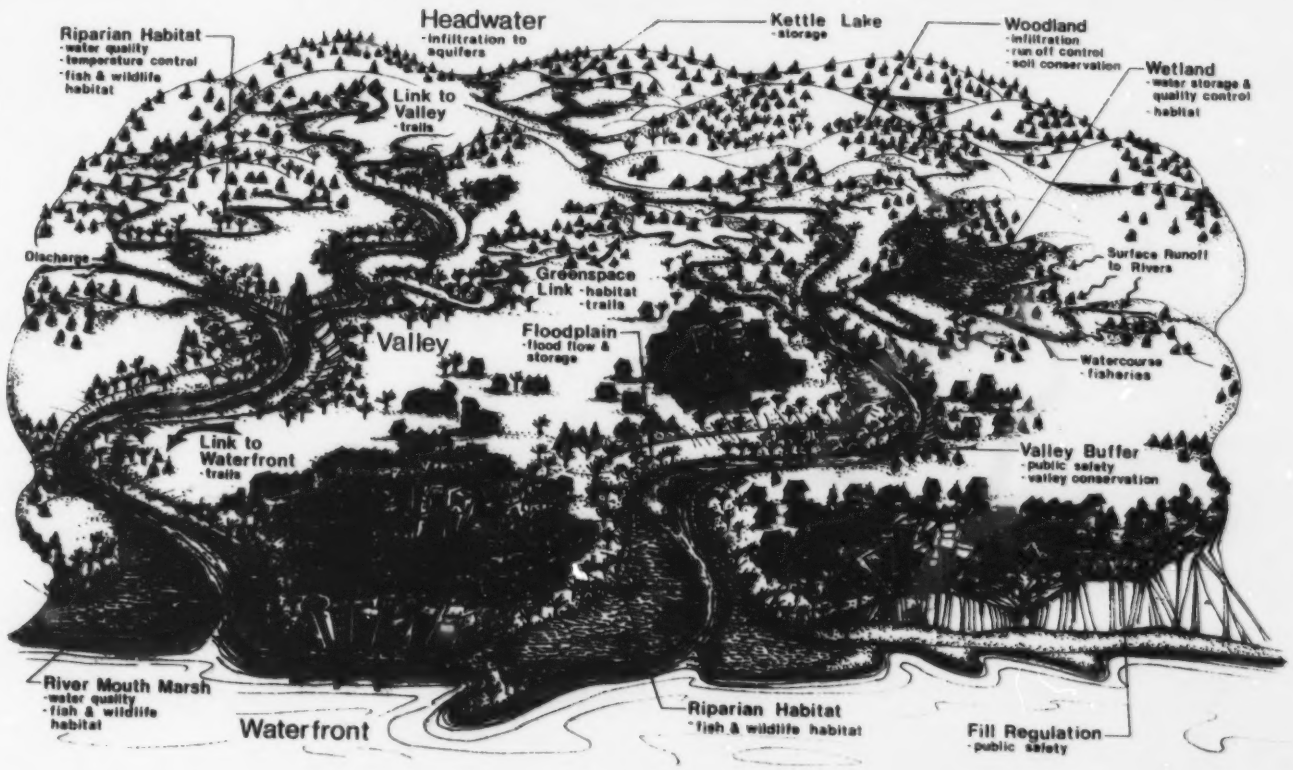
(Cover) Boyd Conservation Area

An Ecosystem Approach to Watershed Management

Riparian habitat.

Kettle lake.

Woodland.



River mouth marsh.

Valley trails.

Fill regulations (park setback along the waterfront).

Working Together for Tomorrow's Greenspace

In Appreciation

This year, The Metropolitan Toronto and Region Conservation Authority adopted a new slogan, "Working Together for Tomorrow's Greenspace," that reinforces our Greenspace Strategy and acknowledges the importance of our partners' contribution to the Authority's work.

The Association of Conservation Authorities of Ontario provides services to its 38 member authorities and represents their interests when negotiating with a variety of external agencies on resource management issues. In 1990, the Association held its Biennial Conference in Hamilton, where a number of important conservation issues were dealt with. As well, the Association participated in a review of recommendations of the report on the role and mandate of conservation authorities and made recommendations to the Minister of Natural Resources on implementation.

Metro Region Conservation could not carry out its work without funding from the Ontario Ministry of Natural Resources which, in 1990, provided $11.1 million in support of the Authority's programs. The Ministry also provided specific funding for the Fisheries Management Study for the Rouge River and site rehabilitation.

Other provincial support came from the Ontario Ministry of the Environment which provided $87,000 for the Rural Beaches Project, the Don River Environmental Initiatives and the Environmental Youth Corps Program; The Ontario Ministry of Culture and Communications which provided $238,000 for the operation of Black Creek Pioneer Village; and the Ontario Ministry of Energy which contributed $113,000 towards the Renewable Energy Program at the Kortright Centre for Conservation. As well, the Ontario Ministry of Municipal Affairs contributed $498,000 towards the Conservation Land Tax Rebatement Program.

Metro Region Conservation also appreciates the contributions of its municipal partners: The Municipality of Metropolitan Toronto ($17.2 million), The Regional Municipalities of Durham ($224,000), Peel ($1.1 million) and York ($1.1 million) and the Townships of Adjala ($474) and Mono ($457). They supported the Authority's efforts to fulfil its mandate.

Other partners in Authority programs include the local boards of education that financially support the educational programs and The Conservation Foundation of Greater Toronto that changed its name in 1990 to reflect its increasing role in funding Authority greenspace projects.

The Municipality of Metropolitan Toronto 1953

Ontario

DURHAM

Region of Peel

The Regional Municipality of York

Township of Adjala

Township of Mono

The Association of Conservation Authorities of Ontario

the metropolitan toronto and region conservation authority

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A typical Reforestation Program on Authority land.

The Metropolitan Toronto and Region Conservation Authority continued in 1990 to pursue its innovative vision, as outlined in the Greenspace Strategy for the Greater Toronto Region.

The Greenspace Strategy advocates conservation of the waterfront, river valleys and the Oak Ridges Moraine Complex through planning controls, regulation, private land stewardship, land acquisition and the preparation of individual watershed strategies. Its proposals incorporate and extend the vision of the Watershed Plan and encourage greater co-ordination among provincial agencies, municipalities and the public.

By approving the Strategy in October 1988, Metro Region Conservation was the first agency to make the conservation of greenspace its goal and to develop objectives to attain that goal. Since then, conservation of greenspace has become the focus of much public attention.

In 1990, a great deal took place in the Greater Toronto Area that relates to the Authority and the Greenspace Strategy. Watershed, the interim report of the Royal Commission on the Future of the Toronto Waterfront, and Space for All, a report to the Province identifying options for a Greater Toronto Area Greenlands Strategy, made recommendations to conserve and enhance the natural resources of the Greater Toronto Area. The Greater Toronto Co-ordinating Committee's Urban Structure Study projected three urban growth scenarios for the region and considered their potential impacts.

The Greenspace Strategy, Watershed and Space for All are consistent in their proposals for an ecosystem approach to planning the future of the Greater Toronto Area; recognition of the Oak Ridges Moraine and the Niagara Escarpment, river valleys and the Lake Ontario Waterfront as the principal physical resources of the GTA; recommendations for ensuring an interconnected physical resource system with access and use for inter-regional trails; and the need for co-operative partnerships to implement long-term greenspace conservation. The Authority has recommended this approach be applied to all future growth scenarios.

In March 1990, the Province established Canada's largest urban park on 10,500 acres of land in the Rouge River Watershed. The Authority is represented on the Advisory Committee formed to study the area's ecosystem and to make recommendations to the Minister of Natural Resources by January 1992. The Committee's objective is to ensure the conservation and enhancement of natural resources and habitat in the area.

Metro Region Conservation exemplifies the accomplishments that can be achieved through a provincial/municipal partnership. The Authority's member municipalities recognize and support the need to address greenspace issues. The new provincial government has been an advocate of environmental issues, and we look forward to a continuing commitment to "Working Together for Tomorrow's Greenspace," in partnership with the Province, the municipalities and the general community.

A public tree-planting was carried out in Bolton, with Director Aird Lewis of Trees for Today and Tomorrow and children from local schools participating.

John A. McGinnis.

Chairman's Remarks

The past year has been one during which much examination and questioning of the various roles of the Authority have taken place. Our own internal review has indeed been extensive, but there were also studies by external agencies.

While the policy of the Authority has always been to work closely within the framework of the Conservation Authorities Act, it has become apparent that, in so doing, the Authority is often perceived, especially by special interest groups, not to be acting in the cause of conservation.

This has resulted from a public misconception of the Authority's responsibilities under the Act, which indicates that we have not been totally successful in communicating our mandate and gaining support for our interpretation of it - something we are vigorously striving to improve.

Though not reacting to the criticisms with equanimity, they did have the effect of obliging us to review our performance very carefully and to create and approve a report entitled A Crisis in Confidence? The report embodies many recommendations, not only for our future course of action, but also for action we hope will be taken by our funding partners and political masters.

Among recommendations adopted in the report were a number requiring greater public consultation and participation, and a review of the Conservation Authorities Act to ensure that it fulfils current needs and expectations.

A concern of the entire industry and region in 1990 was the decline in the number of visitors, resulting in a loss of revenue. This forced a cutback in some of our services and a deferral of some projects that, in view of the present economic situation, may persist for some time to come. Only new funding from other sources can prevent these cutbacks and deferrals.

The Authority continues to explore ways and means of increasing attendance and revenues at its various locations. This includes a close look at recreational facilities.

A balance must be struck between what is sufficiently attractive and revenue-producing, and any detrimental effect a new facility may have on the conservation area or its neighbors.

Several land acquisitions were finalized during the year, most notably with Torvalley Development Limited (the Toronto Brickyard) and Polyresins Inc., both located in the Don valley. As well, a number of smaller acquisitions important to erosion control or shoreline protection were finalized.

Studies are proceeding on the implementation of the Comprehensive Basin Management Strategy for the Rouge River Watershed, and a committee has been struck which includes participation of representatives from each of the stakeholder organizations.

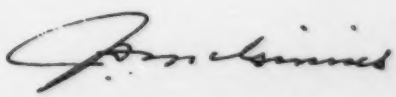
Planning is also in progress for the Duffin Creek Watershed. This will require very careful co-ordination, since the Ministry of Housing plans to develop a community of 90,000 people at Seaton.

The Authority's effort to conserve our region's natural resources is enhanced by contributions of time and effort, as well as funding, from non-governmental organizations.

We are very grateful to The Conservation Foundation of Greater Toronto, formerly known as The Metropolitan Toronto and Region Conservation Foundation, for the tremendous effort it has made to reorganize and expand its fundraising role; to the Rotary Club of Toronto for its support of the Foundation towards tree-planting in the Charles Sauriol Conservation Reserve; to Trees for Today and Tomorrow for tree-planting in the Bolton area; to the Conservation Council of Canada and Environment Canada for the Black Creek Project; and to Ducks Unlimited Canada for providing leadership in the conservation of wetland habitat. There are many others whose support has also been invaluable to furthering the cause of conservation. None is more worthy of recognition than Charles Sauriol, a dedicated proponent of conservation over many years.

The Authority also expresses its thanks to the provincial ministries who have lent their support and to our municipal funding partners whose financial contributions have always been forthcoming enthusiastically and generously.

To implement our many and diverse projects, the Authority is most fortunate in having a staff of exceptional quality and dedication, to whom we are all indebted and to whom we express our thanks.



John A. McGinnis

William A. McLean.

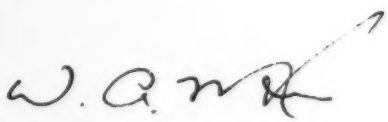
General Manager's Remarks

The adoption of the Authority's Watershed Plan in 1980 marked an important shift in conservation thinking. Prior to this, in addition to land acquisition, conservation work relied heavily on what we called remedial measures. These were usually engineered solutions to resource problems which had been created in the past. The flood and erosion control channels and the flood control dams built in the sixties and seventies stand out as the major remedial measures for flooding problems created in earlier decades. By 1980, much catching up in flood control work had been accomplished. The Authority began to look more to the future and, again, in addition to land acquisition, adopted a program that relied more on planning controls, regulation and resource rehabilitation than on structures to accomplish its goals.

In 1990, the direction taken in the Watershed Plan, reinforced by the Greenspace Strategy of 1989, resulted in a record of achievement that reflects the emphasis on the 'soft' approach to resource management. As you read the 1990 Annual Report, you will be struck by how much has been accomplished through our planning and regulatory efforts, our cooperative habitat and planting programs and our education and community information programs. A comparative look at where the Authority has been investing the majority of its funding over the years illustrates the shift in emphasis that has taken place. Only where we must confront the enormous forces of nature, such as in the Lake Ontario erosion control program, are extensive engineering works a part of the Authority effort.

The shift that has taken place from structural solutions to planning and conservation services solutions has required that the Authority become much more involved in a consultative process. A great deal of our time and energy is now spent working with stakeholder groups, interest groups and special committees which are set up to develop community solutions to conservation problems.

We have presented our 1990 Annual Report in a format that identifies the nature and direction of the Authority's programs. It will be clear to the reader that conservation is more than ever a community effort and that we are "Working Together for Tomorrow's Greenspace".



William A. McLean

Authority Spending by Activity Area – Selected Time Periods

Years	1961-65	1966-70	1986-90
Total Expenditures for the 5-yr. period*	$22,658,000	$35,182,000	$127,720,000
Administration	9%	10%	7%
Capital Recreation	10%	12%	8%**
Capital Remedial Works Water Control	23%	20%	11%
Conservation Services, Education, Regulation, Planning	2%	2%	22%
Land Acquisition	56%	56%	52%

**does not include recreation operations or special projects.*
***includes Lake Ontario waterfront.*

Don Jackson.

The Water and Related Land Management Advisory Board initiates, studies, reports on and recommends a comprehensive program of water management.

This program includes policies and project development for flood control, erosion and sediment control, stormwater management, land acquisition, shoreline management, waterfront development and conservation land management.

Advisory Board

Don Jackson
Chairman

Lois Griffin
Vice Chairman

Ila Bossons
Lois Hancey
Brian Harrison
Roger Hollander
Marie Labatte
Ronald Moran
Maja Prentice
Joyce Trimmer

A tree-planting at Dick's Dam Park in Bolton.

The mouth of Duffin Creek, Rotary Park (foreground), Town of Ajax.

Watershed Strategies

Rouge River Watershed

The Comprehensive Basin Management Strategy for the Rouge River Watershed was produced and circulated to provincial, municipal and non-governmental agencies for endorsement and implementation. It was supported by many organizations.

The first Rouge Implementation Committee meeting was held in December. All provincial agencies, municipalities and special interest groups who took part in the Strategy development were represented. The Committee's objective was to define the implementation process and the expectations of each committee member. Metro Region Conservation was clearly recognized and accepted as the lead agency in co-ordinating the implementation of the Strategy.

As part of its commitment to the Strategy implementation, the Authority began work in 1990 on several internal studies such as the Rouge River Fisheries Management Plan, the Riparian Habitat Program and the Master Drainage Plan Guidelines for the Rouge River Watershed.

Duffin Creek Watershed

It became apparent during the course of the Duffin Creek Study that technical studies required by the Ontario Ministry of Housing's Interim Planning Team for the proposed Seaton community would also be beneficial in updating and establishing baseline data for Duffin Creek.

The Ministry of Housing funded watershed studies within the Seaton boundary in return for technical direction from the Authority in the planning stages of the Seaton community and for Authority participation in the Environmental Planning Workshops organized by the Ministry.

The Authority developed a draft report entitled A Framework for Ecosystem Planning: An Innovative Approach to Watershed Management, which is intended for use by the Ministry in the planning of the Seaton community and by the Authority as a base for direction in watershed planning.

Other watershed studies funded by the Ministry were completed, including the Duffin Creek Land-Use Planning Study prepared by Walker, Wright, Young Associates Limited and the Duffin Creek Watershed Baseline Data Co-ordination Study prepared by Geomatics International.

Metro Region Conservation staff participated in the planning stages of the second series of Environmental Planning Workshops held at Black Creek Pioneer Village by providing a presentation on ecosystem planning.

A fisheries study was contracted out to develop a hierarchical planning procedure for fisheries assessment and management on a watershed scale. Hydrology studies were also contracted out to update the existing hydrologic model. The new model will be used to establish whether the classification of hydrologic impact zones used for the Rouge River Strategy can be applied to Duffin Creek.

A study being carried out for development of the Rouge River Fisheries Management Plan.

Rouge River Fisheries

Development of the Rouge River Fisheries Management Plan began in 1990 as a co-operative effort between the Ontario Ministry of Natural Resources, the municipalities within the Rouge Watershed and Metro Region Conservation. The plan's five major components are Habitat Assessment, Monitoring, Public Access, Communications and Assessment of Existing Management Strategies. Summer contract staff at the Authority assessed 120 kilometres of tributaries of the Rouge River to determine their physical, chemical and biological characteristics. This data will provide the basis for the formulation of the Management Plan.

Work began in 1990 on a Wetland Enhancement Project to improve waterfowl habitat on the Caledon Tract, located west of Glen Haffy.

Partnerships

Ducks Unlimited Canada

Ducks Unlimited Canada, in co-operation with Metro Region Conservation, the Ontario Ministry of Natural Resources and the Town of Caledon, finished construction of the earthen dyke and control structure on the Caledon Tract. This Wetland Enhancement Project greatly improved the 15-hectare wetland as a waterfowl habitat.

Trees for Today and Tomorrow

Funding for the Humber River Watershed Restoration Project was provided by Trees for Today and Tomorrow, in co-operation with Environment Canada's Environmental Partners Fund. Work was undertaken on 320 square metres of bank stabilization in the Bolton Resource Management Tract and on 357 square metres at Dick's Dam Park in Bolton. Within the Bolton Resource Management Tract, 38,000 coniferous seedlings were planted. At Dick's Dam Park and the former Edelweiss Park, 22 caliper trees, 397 bare root trees and 4,435 shrubs were planted.

At the former Blair property, 585 metres of fencing was installed to control livestock access to the watercourse.

(Left to right) Foundation Chairman, Ken Smee, Rotary Club of Toronto President Blake Moore and other Rotary Club representatives participating in a tree-planting in the Charles Sauriol Conservation Reserve as part of The Environmental Rehabilitation of the East Don River Valley Campaign.

Rotary Club of Toronto

A resource management proposal for streambank stabilization and riparian habitat planting both in and adjacent to the newly dedicated Charles Sauriol Conservation Reserve was presented to the Rotary Club of Toronto. The Club agreed to contribute $25,000 to The Conservation Foundation of Greater Toronto which, in turn, provided the funding for the project.

In October, Authority staff planted 10 caliper trees and 1,000 shrubs at the Donlands Avenue slope revegetation site in East York. The rest of the planting will be done in 1991.

Trout Unlimited

In June, Metro Region Conservation, in co-operation with Trout Unlimited, the Islington Sportsmen's Club and the Ontario Ministry of Natural Resources, conducted stream rehabilitation work on the Humber River at the Bolton Resource Management Tract and at the Albion Hills Conservation Area, both located in the Region of Peel.

In Bolton, the work included construction of fish cover, the removal of a log jam and shrub-planting along the streambank. In the Albion Hills Conservation Area, streambank stabilization work along a total bank length of 15 metres was undertaken, in conjunction with fish habitat enhancement and streamside dogwood plantings to provide shade.

A streamside salmonoid egg incubation box was set up. To date, 8,000 brown trout eggs have been collected and placed in the box. Once the fry hatch in the spring they will be released in the Humber River.

Metro East Steelhead and Salmon Fishermen

This angling club stabilized a 45-metre eroding streambank on Duffin Creek in the Greenwood Forest and Wildlife Area in Durham Region.

Islington Sportsmen's Club

The Islington Sportsmen's Club, in co-operation with the Authority, released 30 ring-necked pheasants at the Kortright Centre for Conservation. The objective is to establish a self-producing population.

Stream cleanup was an important activity for participants in the Environmental Youth Corps Program.

Gregory Sorbara, MPP, York Centre, meeting with summer students hired by the Authority for stream cleanup.

Environmental Youth Corps

Four youths were hired under the Ontario Ministry of Natural Resources' Environmental Youth Corps Program in 1990 to assist in fisheries assessment work for the development of the Rouge River Fisheries Management Plan.

Thirteen youths were also hired under the Ontario Ministry of the Environment's Environmental Youth Corps Program for stream cleanup, streambank stabilization projects and water sampling. The youths covered 33 kilometres and collected 5,340 kilograms of refuse. More than half of this refuse was recyclable.

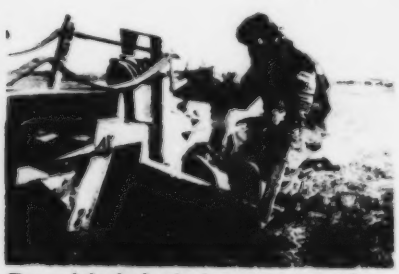
Don River Environmental Initiatives

Funding provided by the Ontario Ministry of the Environment enabled the Authority to finalize four site rehabilitation projects in the Don River Watershed in 1990. The sites were located in the Towns of Vaughan and Markham and the Borough of East York. Signs were erected in recognition of the contributions of the Ministry, the municipalities, the private landowners and the Authority.

Density Bonus Program

In co-operation with the Town of Caledon, under the Density Bonus Program, a Caledon Trails vegetation maintenance project was completed in 1990. Also under the Density Bonus Program, the Mount Wolfe Estates Project was completed. This involved the planting of 14,000 reforestation trees, 50 bare root trees and 500 shrubs, as well as vegetation maintenance. Plantings of 165 bare root trees and 650 shrubs, as well as vegetation maintenance were also completed on the Havencrest Phase II project.

Releasing ring-necked pheasants at the Kortright Centre for Conservation, near Kleinburg.



Tree and shrub-planting in co-operation with the Town of Caledon.

Bank stabilization at Dick's Dam Park in Bolton.

Ontario Ministry of Natural Resources

Funding provided by the Ontario Ministry of Natural Resources allowed the Authority to complete two fence repair projects on the Duffin Creek and tree and shrub-plantings in the Humber River Watershed. A total of 275 bare root trees and 2,960 shrubs were planted on two sites within the Bolton Resource Management Tract, one in the Albion Hills Conservation Area and one in the Palgrave Forest and Wildlife Area. The Albion Hills Dam was refitted with a bottom-draw structure to reduce downstream water temperatures.

Sediment Control

In 1990, the Authority worked in co-operation with local municipalities on the Sediment Control Program. The final phase of a planting project with the City of Brampton was completed. Two hundred ninety trees and 1,215 shrubs were planted at the Etobicoke Creek - Williams Parkway Valleyland Site.

In co-operation with the Town of Caledon, 472 square metres of Humber River banks were stabilized using the grade and rip-rap technique. Sites were also revegetated to turf cover, and plantings were carried out in the Dick's Dam Park Bank Stabilization Project.

In co-operation with the Town of Vaughan, the Keele and Fieldgate Planting Project was carried out. Plantings of 265 trees and 2,550 shrubs were completed along a tributary of the West Don River.

Environmental Services Program

The Authority worked in co-operation with the Town of Markham on the Berczy Creek Bank Stabilization Project. Two sites were stabilized by the grade and rip-rap technique and revegetated to turf cover. Plantings of 129 trees and 230 shrubs were completed.

Other co-operative projects with the Town of Markham included the Bruce Creek - Aitken Circle Planting Project which involved the planting of 121 trees and 270 shrubs; the stabilization of eroding banks on the East Don River by the grade and rip-rap technique and rehabilitation to turf cover; the Raymerville Planting Project; the Highway #48 Channel Planting Project; and the Kennedy Road Bypass Riparian Habitat Planting Project which involved the planting of 55 trees and 450 shrubs along 150 metres of the Rouge River.

Metro Region Conservation also worked in co-operation with the Town of Richmond Hill on the Elgin Mills Road - Toronto Trust Cemeteries Riparian Habitat Planting Project. Two hundred fifty metres along the Rouge River were planted with 152 trees and 900 shrubs. The final phase of the Briar Nine Reserve Planting Project was also completed.

A tree-planting in the middle reaches of the Rouge River Watershed.

Special Projects

Metro Toronto and Region Remedial Action Plan

The Authority continued its participation in the Metro Toronto and Region Remedial Action Plan (RAP) by sitting on the Technical Advisory and Public Advisory Committees and by contributing to the development of the Draft Discussion Paper on Remedial Options released in April 1990. The document identifies measures to improve water quality in Toronto area rivers and along the Toronto waterfront, and the estimated costs involved. Authority staff also reviewed the document and further identified areas in need of revision and editorial changes, and where there are still deficiencies. These comments were tabled at a series of technical sub-committee meetings.

Oak Ridges Moraine.

Rural Beaches Project

In its fourth year, the Rural Beaches Project secured 50 per cent funding from the Ontario Ministry of the Environment.

The Project, which was established in response to rural water quality problems, completed a Water Quality Data Summary in 1990. The Summary contains all monitoring data for Centreville Creek, the East Humber River and Bruce Creek from 1986 to 1989.

In 1990, presentations were made at the annual meetings of the York Region and Peel Region Soil and Crop Improvement Associations; signs were erected at the Albion Hills Farm; a rural water quality tour was conducted for the Ontario Ministry of the Environment's Watershed Management Section and Authority staff; and the 1990 Provincial Rural Beaches Workshop was held at Black Creek Pioneer Village, with staff from all 16 Rural Beaches Projects in Ontario attending.

Tours were also conducted for the Atkinson College conservation and environmental education field course, York University's faculty of education and the Environmental Youth Corps staff of the Stream Improvement Program.

In 1990, the Rural Clean Water Quality display and Rural Beaches Project staff were featured at the Bolton, Markham and Woodbridge fall fairs and at the Kortright Centre for Conservation's Water Weekend.

This year, the primary focus of the Rural Beaches Project was production of a Clean Up Rural Beaches (CURB) Plan. The Plan models the bacterial pollution sources and their impact on swimming beaches, and estimates the cost of remedial measures to improve water quality in each study watershed. The Plan also includes an implementation strategy. Members of the Rural Beaches Steering Committee from the Ontario Ministry of the Environment, the Ontario Ministry of Agriculture and Food, the Ontario Ministry of Housing and local federations of agriculture reviewed and commented on the draft CURB Plan.

Oak Ridges Moraine

In 1990, the Authority completed the Interim Environmental Planning Guidelines for the Oak Ridges Moraine and circulated the report to member and local municipalities for further input. Once specific environmental planning guidelines for the Oak Ridges Moraine have been developed and adopted by the affected municipalities, Metro Region Conservation will be in a better position to achieve the renewable resource management objectives identified in its Greenspace Strategy for the Greater Toronto Region.

A consulting firm was contracted to prepare detailed mapping of wetlands, areas of natural scientific interest, environmentally significant areas and watercourses in the Oak Ridges Moraine planning area. These maps will assist the Authority in private land stewardship initiatives, land acquisition programs and plan review functions.

An exhibit for the Rural Beaches Project.

Regular Programs

Waterfront Monitoring Program

In 1990, the Waterfront Monitoring Program acquired a new 26-foot aluminum work boat equipped with the latest in marine safety equipment, including RADAR, Radio Navigation, Emergency Position Indicating Radio Beacon and a 6-person life raft. AQUALAB II, as the boat is called, has increased the efficiency and safety of the Authority's lake-based environmental monitoring operations.

Data collection continued this year at the Colonel Samuel Smith Waterfront Park to determine the effects of park construction on near-shore environment. It included water quality samples, sediment quality samples, benthic invertebrate samples and bottom substrate descriptions.

A Fisheries Survey of the East Bayfront/ Port Industrial Area for the Royal Commission on the Future of the Toronto Waterfront was conducted by waterfront monitoring staff. The Survey focused on fisheries habitat and fish communities in the area. A summary report was also prepared and presented to the Natural Heritage Working Group.

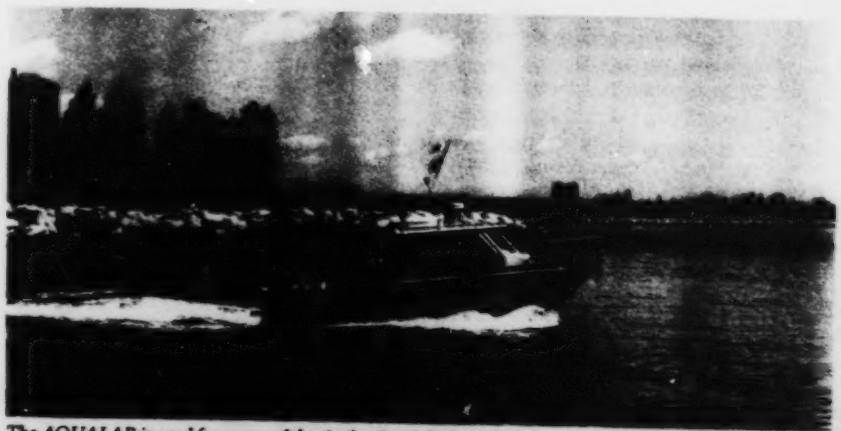
Lakefill Quality Environmental Projects are funded by revenues generated by the Lakefill Quality Control Program. Draft reports of projects begun in 1989 were prepared this year and the projects continued. The 1990 results were designed to determine the water quality, sediment quality, benthic invertebrate community, sediment deposition and fish communities associated with existing waterfront parks and areas under construction.

Environmental monitoring and the Keating Channel disposal operation continued in 1990. Furthermore, results indicate that sediments disposed in Tommy Thompson Park are contained within the disposal cells. Results from the fish survey in Tommy Thompson Park indicate that the disposal cells have a well-established fish community due, in part, to the preferred and stable water temperatures in the disposal cells.

The Waterfront Fish Survey and Tagging Program determines the quality and diversity of lakefront fisheries.

The Waterfront Fish Survey and Tagging Program implemented in 1989 continued. The objective is to determine various habitats and fish communities associated with the waterfront parks, and the extent of fish movement along the Toronto waterfront. Preliminary results of the Survey reveal that waterfront parks established by the Authority have high quality and diverse fisheries. To date, more than 2,500 individual fish have been tagged and released. During the fall survey at Bluffers Park in the City of Scarborough, a significant number of lake trout were found spawning along the outer breakwall. Tagging suggests there is a returning lake trout population, and further investigation into the spawning activity is planned for 1991.

Assessing the substrate for fish habitat and for the effects of lakefilling.



The AQUALAB is used for many of the Authority's lake-based environmental monitoring operations.

A tern nesting raft at Tommy Thompson Park.

Tommy Thompson Park: Interim Management Program

Public access to Tommy Thompson Park was maintained on weekends and holidays from January through December 1990. A total of 37,168 visitors walked, sailed, jogged and participated in a variety of nature appreciation activities at the site. Overall attendance declined slightly from 1989.

The summer interpretive program was offered again, with a total of 933 visitors participating, making 1990 the best year ever. Increased participation is probably due to additional promotion through Authority news releases and an information pamphlet.

A transportation service consisting of a TTC bus and two passenger vehicles has been maintained by the Authority free of charge. During the 1990 season, 2,586 visitors used the bus, 639 visitors used the spring passenger vehicle and 977 used the fall passenger vehicle.

The Gull Control Program recorded 46,799 pairs of breeding gulls on site. This was a significant reduction from 1989. The joint MTRCA/Canadian Wildlife Service Program providing artificial tern nesting habitat has been very successful. During the summer, 170 chicks fledged from the floating rafts.

The Aquatic Park Sailing Club licence agreement was renewed for a 12-month period, producing a revenue of $4,700. Maintenance costs for 1990 were minimal.

The Tommy Thompson Park Newsletter was distributed at regular intervals and circulation is gradually increasing.

Tommy Thompson Park's interpretive program encourages nature appreciation.

The Authority renewed its agreement with the Metropolitan Toronto Parks and Property Department to permit operation of its leaf composting site at Tommy Thompson Park. The site is used to compost leaf litter and plant material from parts of the southern district.

Many special events and activities took place at Tommy Thompson Park in 1990, including the Toronto Ornithological Club annual Christmas bird count, a Variety Club of Ontario bike-a-thon, World Environment Day, World Environment Week, a special media day for the tern nesting rafts, a Toronto Field Naturalists birding tour, an Environmental Youth Corps tour and work project, a Project Canoe tour and activities, the annual Terry Fox Run and commercial filming by the National Film Board.

The Authority uses hawks to control the gull population at the Park.

Nursery Program

The Authority's Nursery Program supplied the following plant material in 1990:

Bare root trees	7,623
Bare root shrubs	26,997
Balled and burlapped trees	1,311
Caliper trees	1,040.

Tree and Shrub and Reforestation Programs

In 1990, the Authority supplied and planted trees and shrubs for nine landowners. The landowners also received technical assistance on resource management matters.

Overall, the Authority planted 190,417 trees. This included 20,000 trees planted by the Boy Scouts of Canada. Reforestation Programs were carried out with the assistance of 15 landowners.

Tree-Moving Assistance Program

The Authority's treespade relocated 29 large trees that would have been damaged or destroyed from construction at two Authority properties.

Hydroseeding Program

Staff completed 10 hydroseeding projects, and nine hectares of land were revegetated.

Fencing Projects

In 1990, the Authority completed repairs and construction of fence at the Snelgrove Resource Management Tract and at three locations on the Bolton Resource Management Tract.

Forest Management Program

Forest management operations which involved selective cutting were carried out at nine sites, including two in the Glen Major Resource Management Tract and one each in the Boyd and Heart Lake Conservation Areas. The Authority also contracted out nine projects on Authority lands for hazard tree removals.

Environmental Input to Plan Review

This year, Resource Management staff has been making an extra effort to provide environmental comments and recommendations on plans and reports that have been submitted to the Authority. Since January 1990, more than 75 requests for review have been received.

An Authority tree-planting organized with the Boy Scouts of Canada.

Authority staff repairing a fence at the Bolton Resource Management Tract.

The Authority's treespade in operation.

Waterfront Regeneration

The Royal Commission on the Future of the Toronto Waterfront, headed by The Honourable David Crombie, Commissioner, was the focus of waterfront activity in 1990. The Authority was pleased to assist through monitoring studies, provision of plans and photographs and participation in public hearings and advisory committees. The renewed interest in the waterfront is evident at the municipal level as well, resulting in participation by the Authority on waterfront committees at The Municipality of Metropolitan Toronto, the Cities of Etobicoke, Toronto and Scarborough and the Town of Ajax. The opportunity to recapture the excitement and commitment to waterfront renewal, which provided the base for the Authority's initial involvement in the waterfront in 1970, must be seized.

Discussions continued on many levels with far-reaching implications for the development of the waterfront. The Authority was actively involved with all municipalities along the waterfront from the City of Etobicoke to the Town of Ajax.

Discussions were held in the City of Etobicoke with the City of Mississauga and the Credit Valley Conservation Authority towards linking Marie Curtis Park to the Lakefront Promenade Park in Port Credit via the Canada Post lands. Strong community involvement in planning of the Colonel Samuel Smith Park resulted in the formation of a new boating federation which will plan, finance and build the new harbor facilities. The construction of a facility to treat stormwater entering the boat basin was completed by the Authority. Even before it was completed, the facility captured an oil spill which otherwise would have been dispersed into the lake. Shorelines were stabilized and monitoring efforts continued to document any impacts of the project and identify more opportunities for fish habitat enhancement. The Motel Strip redevelopment proposals were the focus of much effort and, while resolution of an overall plan will take time, the Authority's principles of public access along the shoreline, habitat enhancement and linkages to Humber Bay Park and the Humber River are well established.

In the City of Toronto, efforts continued towards resolution of a plan for Tommy Thompson Park. Negotiations of long-term accommodation for the boating clubs continued with the City and the Toronto Harbour Commission. Plans to develop the wetlands at Tommy Thompson Park, as part of the Keating Channel project, progressed well.

Bluffers Park in the City of Scarborough.

The stormwater treatment facility at Colonel Samuel Smith Park in the City of Etobicoke.

In the City of Scarborough, the Authority continued to implement the popular vision of a continuous pedestrian and wildlife corridor along the shoreline. This goal is being attained through the construction of new beaches and shoreline revetment which will also protect the homes and municipal services along the bluffs. The restoration of Bellamy Ravine was completed except for tree and shrub-planting which will continue in 1991. An environmental assessment of East Point Park was under way throughout the year and will be extended as recommended in the Royal Commission's Watershed report.

In the Town of Pickering, community involvement contributed to a study of the southwest corner of Frenchman's Bay, where the Authority owns a substantial area of waterfront land which is becoming increasingly popular. The plan will establish a course of action to consolidate Authority ownership, minimize impacts on the local community, provide for habitat enhancements and support recreational use of this beautiful area.

In the Town of Ajax, the popular waterfront pathway was extended, and plans were developed for tree and shrub-planting in 1991.

Valley Management

Identification of flood prone areas is a key component of valley management. Efforts to extend the Authority's floodline mapping to upstream areas continued in 1990 with the completion of a study to estimate flood flows in headwater areas.

The flood warning system was expanded through the use of fax technology and the continued assistance of the Metropolitan Toronto Police Department, the media and school boards of the region.

Restoration of the Lower Don River valley is benefitting from increasing public concern. The Authority is working with numerous groups and agencies on many projects in this area. Protective works for the City of Toronto's Ataratiri project offer some opportunities for renewal, as do plans for the Port Industrial Area.

Substantial works were completed to provide flood protection while also achieving a natural channel design and public access corridor on the German Mills Creek in the Town of Richmond Hill in the upper reaches of the Don Watershed.

Careful selection and placement of stone materials, combined with extensive planting, achieved an attractive flood control channel along the Little Etobicoke Creek in the City of Mississauga.

Restoration of erosion prone areas along the valleys continued to be a priority in 1990. Sites were restored on the German Mills Creek in the City of North York and along the West Humber River in the City of Etobicoke.

An aerial view of the newly constructed water control channel at the German Mills Creek site.

Lakefill Quality Control Program

The Authority's successful program to control the quality of material used at waterfront sites may be extended inland. There is growing concern in many municipalities about the quality of material which may be imported for filling and grading purposes. A survey of municipalities identified strong support for the Authority to extend its program to control the disposal of fill throughout the watershed. Protection of wetlands, groundwater and surface water resources, together with the need to monitor the chemical quality of soil within development areas, may justify an extension of the Authority's program.

A water control channel was constructed at German Mills Creek and 16th Avenue in Richmond Hill.

Erosion Control Projects

Site	Structure Protected	Cost	Funding	Location	Municipality	Notes
Bellamy Ravine	25 houses	$302,000	55% MNR 13% Metro 32% Scar.	Scar. Bluffs	Scarborough	Special funding arrangements due to local drainage benefits.
Guildwood Parkway – Phase II	30 houses	$268,400	55/45*	Scar. Bluffs	Scarborough	
Sylvan Ave. Phase I	8 houses	$262,600	55/45*	Scar. Bluffs	Scarborough	Includes design study for Phase II.
Saddletree Road	3 houses	$160,000	55/45*	Don River	North York	$5,000 contribution from owners.
Kingsbury Crescent	8 houses	$283,700	55/45*	Scar. Bluffs	Scarborough	
South Marine Drive	25 houses	$155,100	55/45*	Scar. Bluffs	Scarborough	
Fishleigh Drive	29 houses	$304,000	55/45*	Scar. Bluffs	Scarborough	

**In the chart, funding for several programs is listed as "55/45" — 55 per cent funding from the Province, 45 per cent from Metro Toronto and/or the pertinent regional government.*

The Plan Review Section implements and promotes the Authority's program goals and objectives through the municipal land-use planning process and administration of the Authority's Fill, Construction and Alteration to Waterways Regulation.

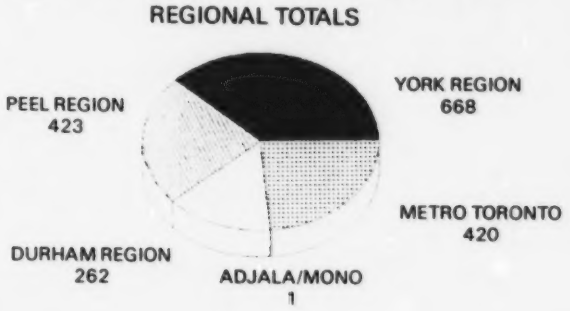
Two policy initiatives in 1990 affected the Authority's plan input and review activities. In February, the Authority approved the Comprehensive Basin Management Strategy for the Rouge River Watershed and, through its plan input and review activities, is implementing the Rouge River Strategy recommendations that affect land development. In July, the Province announced a General Expression of Interest in the Oak Ridges Moraine, relating to land-use planning within this prominent feature. The goal of the Province is to recognize the special significance and sensitivity of the Moraine and to provide recommendations for its long-term protection and management. The Authority has provided input to interim land-use planning guidelines being prepared by the Ministry of Natural Resources for the Moraine. Resource planning agencies have been asked to reassess development applications within the Moraine and, in 1990, 100 applications were recirculated to the Authority.

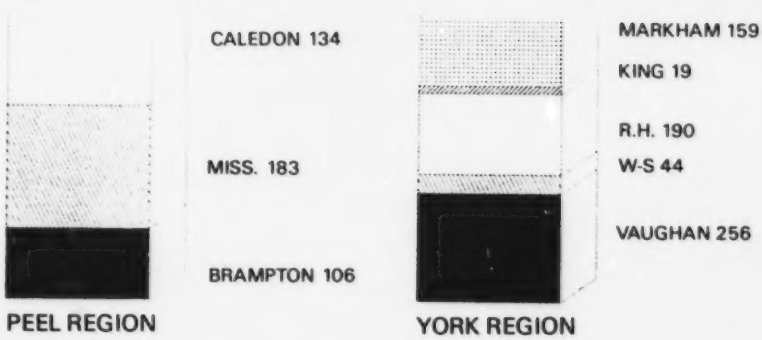
During the year, the Authority provided input to the official plan review process of both York and Durham Regions, as well as the City of Etobicoke, the Town of Richmond Hill, the Town of Markham, the Township of King, the Town of Caledon and the Town of Whitchurch-Stouffville. In addition, 245 applications for permission to place fill, build structures or alter a watercourse were approved by the Authority.

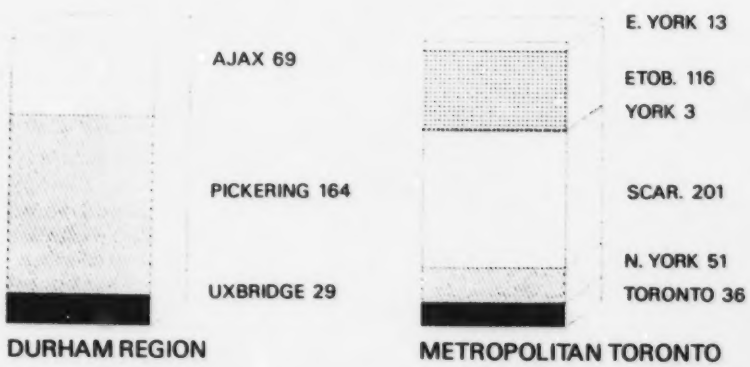
The Authority considered several municipal requests for Special Policy Area (SPA) designation within existing flood prone communities of its jurisdiction. It approved an SPA designation for the Unionville community in the Town of Markham. Approval-in-principle of an SPA designation was given for the Oak Ridges/Lake Wilcox community in the Town of Richmond Hill. Staff continue to participate in the SPA Technical Committee for the Lower Don River in the City of Toronto.

The Authority completed the first phase of its Fill Regulation Extension Project to be completed in 1991. This important Greenspace Strategy initiative will extend the current fill regulation into the headwaters of the Authority's jurisdiction and update Ontario Regulation 293/86.

MUNICIPAL PLAN REVIEW
Applications by Municipality and Region







Dick O'Brien.

The Finance and Administration Advisory Board initiates, studies, reports on and recommends a comprehensive program of financial, personnel and administrative management for the Authority.

This program includes policies and guidelines for the budget, personnel, banking and insurance, safety and security, purchasing, administrative regulations and auditing.

This year, the Finance and Administration Division was also responsible for extensive training in preparation for the 1991 introduction of The Municipal Freedom of Information and Protection of Privacy Act. Records were reviewed and measures were instituted to ensure protection of personal privacy.

Finance and Administration also concerns itself with information systems coordination. In 1990, all remaining stand-alone word processors were replaced with more powerful, versatile personal computers. A reservations system and desktop publishing and computer-aided design system were developed. The telephone system was replaced and work began on a voice messaging/auto-attendant system.

Advisory Board

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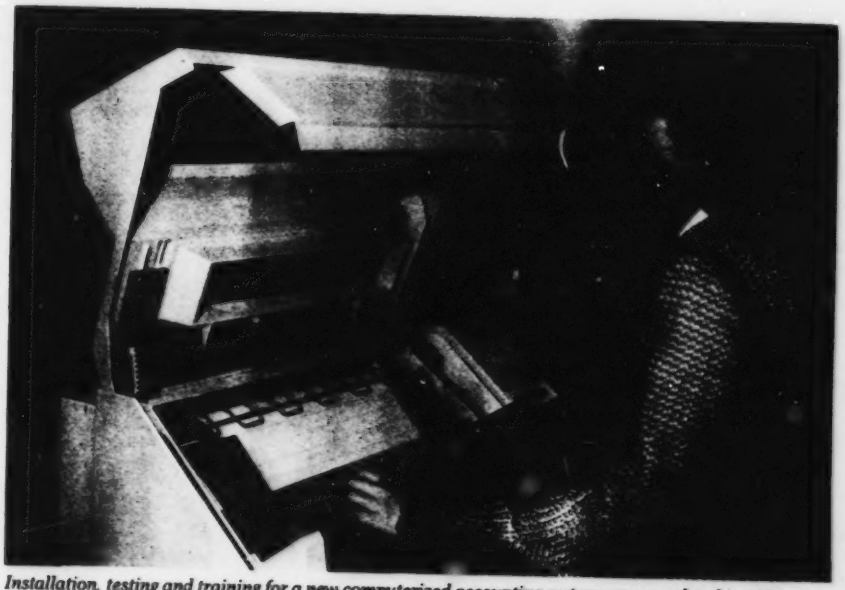
Vice Chairman

Patrick Abtan
Maria Augimeri
Eldred King
Frank McKechnie
Gordon Patterson
Kip Van Kempen
Jim Witty



Installation, testing and training for a new computerized accounting system was completed in 1990.

The Budget and Accounting Section implemented procedures and training to enable the Authority to meet the requirements of the Goods and Services legislation in 1991. Installation, testing and training for a new computerized accounting system to take effect on Jan. 1, 1991 was completed.

The 1990 Budget with expenditures of $20,364,000 was approved. Preliminary estimates for 1991 were prepared and circulated to funding partners. As well, the 1989 financial statements were completed, reviewed by the auditors and approved.

In 1990, a new orientation video was prepared, training and development for supervisory and management staff was conducted and extensive support was given to recruitment. A staff committee assisted in the preparation of a new pay equity plan to meet requirements of the Provincial Pay Equity Commission.

Land Acquisition

In addition to protecting floodplain and conservation lands through remedial and regulatory measures, Metro Region Conservation acquires lands for conservation purposes.

During 1990, the Authority completed 28 new acquisitions and, as of Dec. 31, owned 12,256 hectares of land and 2,259 properties.

Metro Hazard Land Project

The Hazard and Conservation Land Acquisition Project Within The Municipality of Metropolitan Toronto is a $48-million project approved by the Province and Metro Toronto in 1985.

The Torvalley (Toronto Brickyard) expropriation in the Borough of East York was completed at a cost of approximately $19.6 million.

General Floodplain, Valley and Waterfront Acquisition Project

Under regular acquisition activities, the Authority acquired land at various locations throughout the region's watershed. Acquisitions in 1990 included the Polyresins Inc. property for $6.05 million and the Kovari property in the Don River Watershed, and the Schlecther property in the Humber River Watershed. Acquisitions along the Lake Ontario shoreline included the Griffiths and Boehme properties located in the Town of Pickering at the end of the west spit in Frenchman's Bay; the Hume property located in the Chesterton Shores area of the City of Scarborough; and the Kadikar residence and rear portions of six residential properties located in the Sylvan Avenue design block also in Scarborough.

A number of smaller acquisitions in several municipalities in various watersheds were also completed in the region.

The Polyresins Inc. property in the Borough of East York.

The Boehme property, Frenchman's Bay, Town of Pickering.

Land Sales

Sales of surplus lands not required for Authority purposes this year included the former Grimbly and White residential properties on Guildwood Parkway in the City of Scarborough; a small parcel of land situated in the Duffin Creek Watershed in the Town of Ajax; and two parcels of land situated in the West Humber Watershed in the City of Brampton. The latter two parcels of land consisted of 6 hectares sold to Ontario Hydro and 17.3 hectares sold to the Ontario Ministry of Government Services for the construction of Highway #407.

Insurance

In 1990, updates and reviews of Authority inventories, risk management activities and the renewal of all Authority and Foundation insurance policies at favorable rates continued.

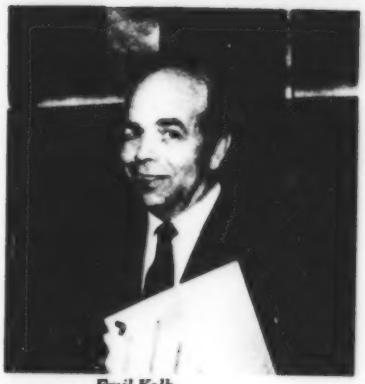
Rentals

Property management activities involving approximately 150 rentals of residences, farmlands, apiary sites and other uses compatible with the objectives of the Authority continued.

The Property Section reviewed all rates on Authority rental houses, and an updated rental schedule will be implemented during 1991.

Administration

Management, administration and processing of assessment, realty taxes, insurance and litigation matters relating to 2,259 Authority-owned properties, buildings and equipment were carried out. Also provided were a wide range of office services including printing, mailing, photocopying and records management.



Emil Kolb

The Conservation and Related Land Management Advisory Board initiates, studies, reports on and recommends a comprehensive program of land management.

The program includes policies and project development for watershed recreation, heritage conservation, visitor services, marketing of revenue-producing facilities and public information.

Advisory Board

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Vice Chairman

Margaret Britnell
William Granger
Lorna Jackson
Howard Moscoe
Donna Patterson
Nancy Porteous-Koehle
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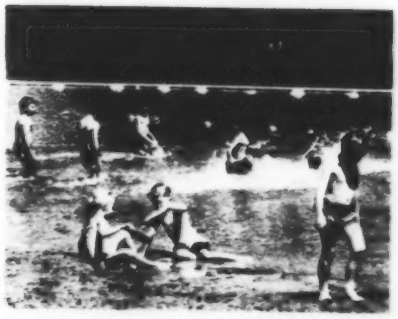
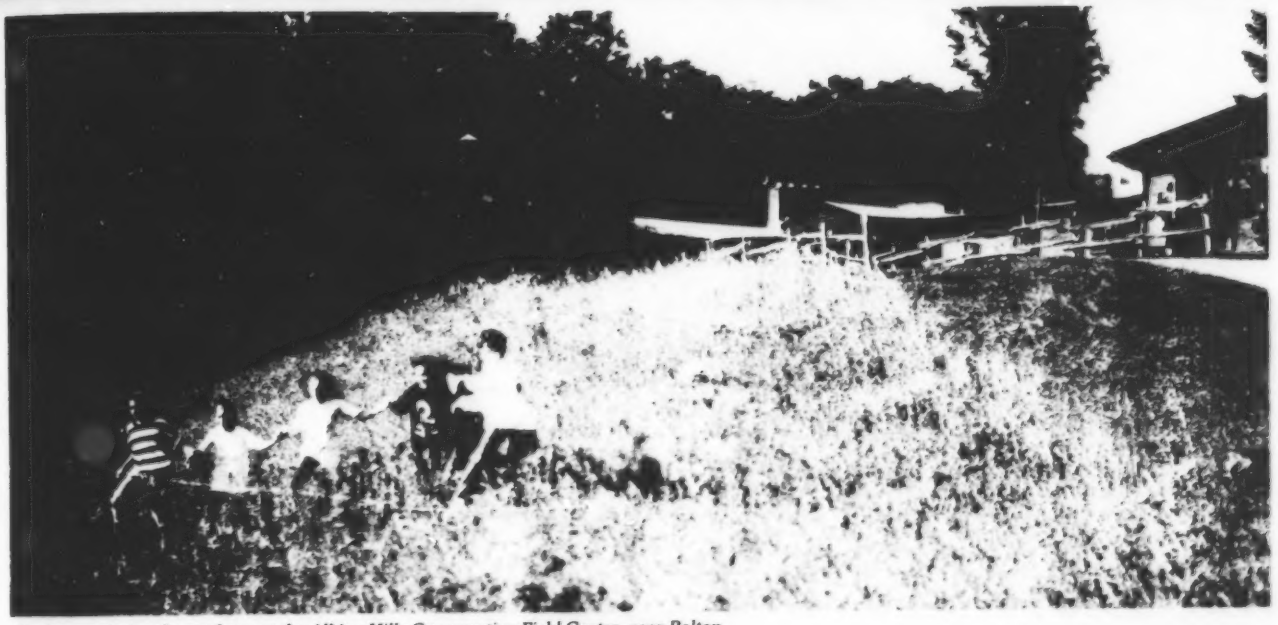


Cross-country skiing at the Albion Hills Conservation Area, near Bolton.

Swimming is a popular summertime activity at Bruce's Mill Conservation Area, near Stouffville.

Fish Fun Day at the Glen Haffy Forest and Wildlife Area, south of Mono Mills.



Students enjoying the outdoors at the Albion Hills Conservation Field Centre, near Bolton.

The conservation areas were open during the winter with slightly better snow cover than has been the case in the past few years. Consequently, attendance was up by 6,500 from the previous year for the winter months only. In general, winter use is declining and modifications to reduce fixed costs are anticipated for 1991.

Overall, attendance at the conservation areas is down 8.2 per cent. Contributing factors are the closure of the Claireville Conservation Area and closure through much of the year of the Cold Creek rifle range facilities in compliance with recent amendments to the King Township noise by-law.

The maple syrup demonstration at Bruce's Mill took place again this year. Although attendance was down because of poor weather conditions, revenue was up because of increased syrup sales and new per person admission fees.

All Authority swimming areas were in operation as of June. An Authority team competed in the Ontario Waterfront Lifeguard Championships at Wasaga Beach with strong individual performances.

Other special events were successful, including the annual Fish Fun Day at Glen Haffy and the third annual Heart Lake Fall Arts and Crafts Festival. Cold Creek hosted both deer and moose workshops, a bowhunter workshop and five hunter education courses, in spite of the curtailed range operations.

Fall produce on display at the Heart Lake Arts and Crafts Festival in the City of Brampton.

The Authority also participated in the annual Sportsmen's Show, promoting activities and programs at Cold Creek, Heart Lake and Glen Haffy. Other promotional activities included public tours of the restored mill at Bruce's Mill during the maple syrup season and a fishing derby at Heart Lake in June.

Major Maintenance

Maintenance and services at Claireville were scaled down this year because of budget restraints. Vehicle access was restricted, grounds maintenance was reduced and staff were transferred to other locations to reduce overall conservation area operating costs.

Site improvements in the areas included replacement of the gatehouse, rental rowboats and boat docks at Heart Lake; renovations of the lunchroom at Claireville; water system and electrical repairs and installation of a concrete floor in the workshop at Indian Line Campground; replacement of piping and repaving of the swimming pool at Petticoat Creek, as well as replacement of the pool's filtration and chlorination equipment; and replacement of workshop furnaces at Greenwood and Boyd and upgrading of the electrical system at Greenwood. Engineering studies and design were also completed for the replacement of the campground bridge at Albion Hills.

Vehicle and Equipment Program

Eight replacement vehicles and 13 new vehicles were acquired. Eleven of the new vehicles replaced rented or leased vehicles. As well, mowers were replaced and a new Authority boat, Aqualab II, was purchased. An auction sale netting a total of $10,600 was held for the disposal of surplus equipment.

Central Services and Stores

Central Services continued to provide technical support and repair services to various Authority facilities. During the winter, the warehouse and workshop layout was redesigned.

Stores' inventory continues to convert to a computerized system. Up-to-date catalogues and price lists were printed and distributed. This allows for better tracking of product use and reduced inventory and costs. Staff also cut down on inventory. The end result was lower inventory carrying costs and more efficient inventory management.

The Authority's Enforcement Officers ensure compliance to Ontario Regulation 293/86 which governs the placement of fill and construction activities in river valleys and on the waterfront.

In 1990, officers issued 213 violations, up slightly from the previous year. During the year, 61 charges were laid, 21 convictions were obtained, nine charges were resolved and the balance were put over for trial in 1991.

The officers were also responsible for the inspection and approval of 244 property clearances in 1990. Property clearance fees were instituted for these approvals in April, generating $6,500 until year end. As well, the officers were responsible for the inspection of 243 new permits. As of December, 600 permits required action by enforcement staff.

As part of the Greenspace Strategy, conservation area staff became more involved in the enforcement program, as it relates to illegal activities on Authority lands. Ten conservation area staff participated in a new training program under the direction of enforcement staff. Weekend patrols added an emphasis to this program.

Illegal activities on Authority lands accounted for 87 offence notices in 1990. Three convictions were obtained and nine trials were put over until 1991.

Enforcement Officers appeared in court on 52 occasions. Fill violations and offence notices generated more than $10,000 in fines which was paid to the Treasurer of Ontario.

The Authority continued to emphasize safety in the workplace. Two hundred twenty-seven staff were trained under the Workplace Hazardous Materials Information System this year, bringing the total to more than 1,000 since the program was introduced in 1989. In other programs, 22 staff were trained in first aid and 19 were trained in CPR. Additional programs were conducted for lifeguard staff. As well, 94 drivers were certified in the Driver Testing and Certificate Program. During the spring and summer, monthly fire suppression courses were held in five conservation areas.

Safety in the '90s is a co-operative effort between the Occupational Health and Safety Committee and the safety staff. This year, the program was spread over four half days, allowing more than 225 employees to participate and improve their safety awareness.

Employee accidents showed a slight improvement in the area of medical aid with 26 incidents in 1990 compared to 28 in 1989. However, lost time accidents increased to 28 in 1990 compared to 21 in 1989.

Many Authority structures have electronic intrusion and fire alarm systems. Fire protection was added to the Bolton Storage Building. Fire and intrusion protection was added to the Petticoat Creek workshop. There were also improvements made to the alarm system at Kortright. Contract security services continue at Authority campgrounds, Black Creek Pioneer Village and Head Office.

Authority staff practising methods of fire suppression.

Enforcement Officers are responsible for issuing violations for illegal dumping.

In 1990, 19 Authority staff were trained in CPR.

The spruce bog at the Cold Creek Conservation Area contains many rare plants .

Metro Region Conservation offers heritage and outdoor education programs at four residential field centres, one day-use centre, the Kortright Centre for Conservation and Black Creek Pioneer Village, accommodating almost 165,000 participants annually.

In 1990, the education staff at Black Creek, in co-operation with various boards of education, held several professional development days for elementary and secondary school teachers from the Greater Toronto Area and other parts of Ontario. Extensive work has been done to prepare program-related support material for teachers visiting Black Creek. Student attendance at Black Creek was up this year from 1989.

Cold Creek Conservation Field Centre acted as a base for a resource management study by York University's Atkinson College in July and for ultraviolet radiation studies by the University's atmospheric science department. Cold Creek's responsible sportsmanship program continued to draw participants from the greater Toronto region. The Field Centre also provided an excellent opportunity for many students from inner city schools to experience nature firsthand. The spruce bog, a unique wetland supporting many rare plant species, continued to be the main attraction.

Students planted 300 trees at the Albion Hills Conservation Field Centre in 1990. The Field Centre was also the site of the introduction of a Canadian wildflower garden in recognition of Earth Day and a Canadian herb garden in recognition of Environment Day.

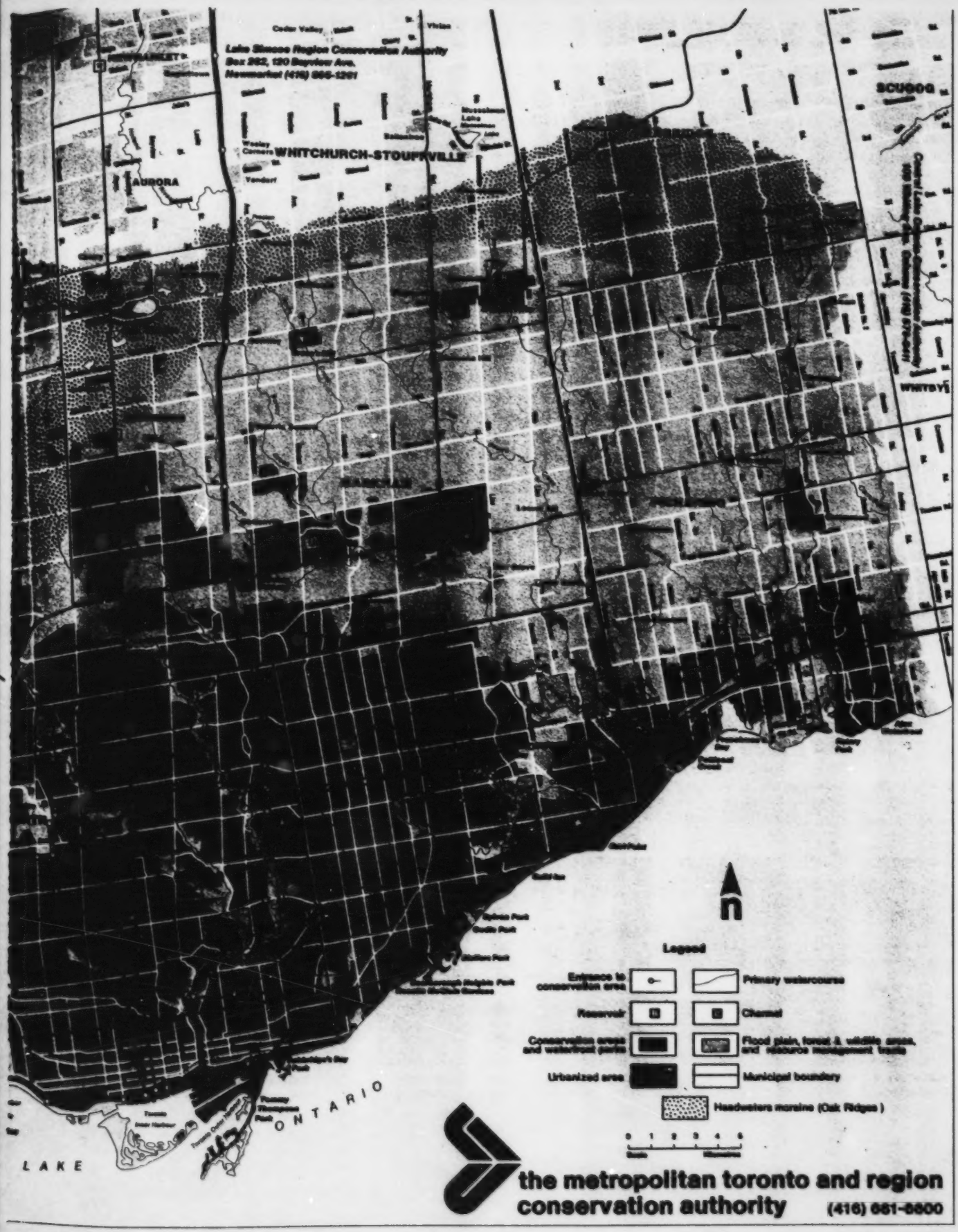
From March 4 to 7, 1990, the Toronto Board of Education sponsored an international symposium, Towards the New Millennium — What is Needed?, at the Boyd Conservation Field Centre. This event attracted 40 delegates and several distinguished leaders from four nations. In June, the exciting new Moccasin Walk to the archaeology site at Seed-Barker took place. Under the direction of an archaeologist, intermediate-level students assisted York University students in on-site excavations. Boyd also hosted Music at Boyd weekends, the Humber/Seneca Scouts and the Junior Farmers of Ontario. The North York Board of Education sponsored Art and Nature in July and the Archaeological Field School in August.

The Claremont Conservation Field Centre hosted many groups this year, including students, Girl Guides, Brownies, Scouts, Rotarians, Kinsmen and Kinettes. The Elderhostel Association of Ontario registered 20 senior citizens. In June, the Durham Board of Education Day Centre opened officially. Located in the southeast end of the Claremont Forest and Wildlife Area, the Centre provides outdoor education programs to elementary students.

The Lake St. George Conservation Field Centre celebrated its tenth anniversary with the planting of a white pine, a flag-raising ceremony and a published historical account of the area. A highlight at Lake St. George was the applied environmental science credit course sponsored by the Toronto Board of Education in August. Lake St. George hosted many special groups in 1990, including a children's chorus, a local program for the handicapped and various student groups. Students from around the world attending Trent University's International Program met for the first time at Lake St. George for a Labor Day weekend orientation program.

Chairman John McGinnis and Supervisor Ron Hudson participating in a flag-raising ceremony at the tenth anniversary of the Lake St. George Conservation Field Centre, north of the Town of Richmond Hill.

RR. #1 Angus (705) 424-1479
ADJALA
MONO
Tottenham
TECUMSETH
KING
CALEDON
HALTON HILLS
MISSISSAUGA



the metropolitan toronto and region conservation authority (416) 661-6600

The Kortright Centre for Conservation is the Authority's flagship for promotion of environmental awareness through unique programming and recreational and educational opportunities.

Open year-round, seven days a week, its featured programming includes owl prowls, a bat night and such co-operative programs as the Humber valley hike organized with the McMichael Canadian Art Collection. In 1990, Kortright was the only site in southern Ontario chosen for the travelling exhibit The Wonder of Wood.

This year, Kortright offered the greatest number of guided programs for public visitors to date. There were more than 500 guided programs relating to one of five themes — water, fish/wildlife, land, energy and forests. The most popular program was the maple syrup demonstration which appeals to old and young alike.

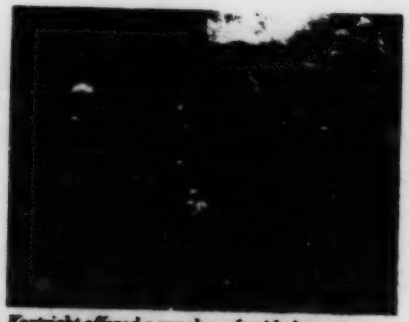
For the first time, Kortright closed its doors to visitors during the Four Winds Kite Festival because site capacity had been reached.

Among the ministries and corporations who scheduled environmental workshops/seminars at Kortright this year were Ontario Hydro, the Ontario Ministry of Natural Resources, the Ontario Ministry of Labour and IBM of Canada Ltd. Part of the agenda for these workshops is participation in one of the Centre's programs.

Kortright staff made 130 radio and television appearances, reflecting a continuing growth of interest in the Centre.

The annual autumn hike from the Kortright Centre for Conservation to the McMichael Canadian Art Collection drew many eager participants.

Adults and children alike enjoy maple syrup demonstrations.



Kortright offered a number of guided programs during a special Water Weekend in September.

Hiking through the Humber valley.

Children receiving treats in exchange for finding eggs at the Black Creek Pioneer Village Annual Easter Egg Hunt.

Broadcaster Alan Millar of CBC's Fresh Air (left), Black Creek Pioneer Village Administrator Russ Cooper and Black Creek's Honorary Reeve Glenn Cochrane celebrating Canada Day.

Black Creek Pioneer Village celebrated its 30th anniversary in 1990. Over the past three decades, the Village has grown from seven to more than 40 authentically restored buildings that re-create life in southern Ontario in the 1860s. This season's highlight was the opening of the Richmond Hill Manse donated to the Village by the Presbyterian Church and the citizens of Richmond Hill more than 10 years ago.

In 1990, a year which saw major tourism decline in Metro, attendance at Black Creek dropped just 5.6 per cent. Revenues, although slightly down through admissions, matched 1989 levels in retail sales.

Black Creek has an international reputation as a living history site and has developed a strong network of support groups and organizations, as well as corporate sponsors. Daily programming and special events continue to receive media attention, volunteer support and special donations.

Hundreds of volunteers and thousands of volunteer hours enabled the Village to present many exciting programs in 1990. Such behind-the-scenes assistance came from organizations such as The Ontario Historical Society, the Boy Scouts of Canada, several re-created military regiments, the 78th Fraser Highlanders, the Anglican Church of Canada, Upper Canada Rifles, the Mennonite Central Committee, the Pennsylvania German Folklore Society, women's institutes, the Imperial Order Daughters of the Empire (IODE), the Southern Ontario Unit of the Herb Society of America, the Dominion Rabbit Breeders Association and the Ontario Ministry of Correctional Services.

In certain cases, corporate sponsorship also enhanced the programs. Once again, Canada Packers Inc. generously supported the Bake It With Apples Contest, and the Ontario Egg Producers Marketing Board supported The Great Easter Egg Hunt. As well, Nestle Enterprises Limited provided thousands of packaged chocolate drinks for distribution to visitors.

In July, CBC Radio broadcaster Alan Millar completed his term as Honorary Reeve and CFTO's Glenn Cochrane took up this role, also providing the Village with strong support in the form of personal appearances and media coverage.

The McNair Gallery in the Visitors Centre featured three exhibitions: the renowned Black Creek toy collection Child's Play; the Frank Conway Wood Carvings; and The Cover Story, a display of coverlets, quilts and bedcoverings.

Six restored buildings have been made accessible to the handicapped by raising boardwalks and pathways to the level of entrances. Several sections of existing boardwalk have been replaced, and a new segment has been installed from the Fisherville Church to the Taylor Cooperage.

Approximately 120 wedding ceremonies were conducted outside regular operating hours in the Fisherville Church, the Town Hall and the Edgeley Mennonite Meeting House in 1990.

Black Creek remained a popular site for commercial photography this past year. A poster for Dempster's Bread, several corporate training videos, fashion shoots, a book cover and a segment for the television program Road to Avonlea were shot at the Village.

Black Creek is a heritage project of The Metropolitan Toronto and Region Conservation Authority. In addition to Authority support and self-generated revenues, the Village receives funding through The Conservation Foundation of Greater Toronto and the Ontario Ministry of Culture and Communications.

A ribbon-cutting ceremony officially opened the Richmond Hill Manse and was attended by (left to right) Reverend William Wallace of the Richmond Hill Presbyterian Church, Richmond Hill Councillor and Authority member Lois Hancey , Honorary Reeve Glenn Cochrane and Richmond Hill Local Architectural Conservation Advisory Committee Chairman David Fayle.

The objectives of the Food Services Section are to provide quality food, beverage and related service to visitors at the Authority's educational and public use facilities. To enhance the Authority programs, new menus and service are implemented to meet operational needs. During the fall, a new menu featuring Ontario foods was created for the Black Creek Pioneer Village Half Way House Dining Room.

Many special functions were held at Black Creek Pioneer Village and the Kortright Centre for Conservation, including wedding ceremonies and receptions.

The Planning and Development Section is responsible for long-range open space planning and for developing recreational projects on Authority lands.

Activities in 1990 included preparation of trail design guidelines that will ensure environmentally safe trails in the future. Trail development through the major river valleys and the Oak Ridges Moraine and along the waterfront is the recreation activity of perhaps the greatest interest to watershed residents.

The Section proposed the construction of a replacement swimming facility at the Boyd Conservation Area. An environmental assessment of the study began in 1990 and is expected to continue in 1991. Alternative improvements and budget estimates were also identified for the swimming facility at Heart Lake.

In 1990, the Greenwood landscaping improvements continued. Plans for the William T. Foster Woods were completed in consultation with the Town of Vaughan and the Kleinburg Ratepayers Association. Plans for alternative uses for Cold Creek recreational facilities were also initiated. The Bond Lake Study, directed by the Town of Richmond Hill, continued with Authority funding. General Area Development Projects also continued, including signage and picnic area improvements.

The Planning and Development Section supported activities to increase awareness and direct financial support of The Conservation Foundation of Greater Toronto. The Section contributed technical design planning for the Tree Donation Program and graphics for Foundation signage. It also did the research and writing for a funding proposal for the Charles Sauriol Reserve Campaign. As well, Planning and Development designed and produced coin drop boxes for installation at all Authority public use facilities.

City of York Alderman Bill Saundercook enjoying a taste of maple syrup at the Village.

In 1990, the Authority completed the ongoing Archaeological Master Plan. An inventory of previously recorded archaeological sites, combined with a field survey of 415 hectares of Authority property, has identified 69 archaeological sites. These resources represent 12,000 years of human occupation and document settlement patterns similar to those in other regions of southern Ontario, but with some distinctive characteristics.

The Boyd Archaeological Field School completed its 15th year with 40 senior secondary school students from across southern Ontario participating. The Field School is sponsored by the North York Board of Education, in co-operation with the Royal Ontario Museum, the Town of Vaughan and The Metropolitan Toronto and Region Conservation Authority.

The York University-MTRCA Archaeological Field School completed its second year in 1990. Third-year anthropology students assisted the Authority in the ongoing excavations at the Late Iroquoian (ca. AD 1550) Seed-Barker site in the Boyd Conservation Area.

During the course of the Master Plan study, an Archaeological Site Predictive Model was developed for use by the Authority. Statistical analyses of a well-established data base and mathematically derived variables were used to construct a model defining geographic areas within the watershed of high, medium and low potential for containing archaeological sites.

The Archaeological Master Plan is significant in that it proposes a strategy for the management of archaeological heritage resources; comments on the feasibility of an interpretive facility and public program at the Kortright Centre for Conservation; and provides a plan for the assessment and, if necessary, salvage excavation of heritage resources in advance of land-use change.

The Boyd Archaeological Field School completed the excavation of a late Iroquoian cabin in 1990.

The Community Relations Section is responsible for creating public awareness and understanding of the Authority's work and for encouraging public use of Authority facilities. It is the main contact in the Authority for handling telephone inquiries from the public and the news media, and it administers the Service Recognition Awards Program for staff and members.

During 1990, Community Relations continued a balanced public communications/facilities marketing effort on behalf of the Authority.

Public Communications

Community Relations devoted much attention to increasing public awareness of Authority programs and maintaining the Authority's public image.

This year, more than 130 news releases, photo captions and story ideas were issued to daily newspapers, community papers, television stations, radio stations and specialty magazines within the Authority's watershed and beyond. As well, a number of flyers and brochures were distributed to the news media, the travel trade industry, libraries and community centres, the general public and elsewhere.

The news media were very supportive of Authority programs, providing generous amounts of newspaper space and broadcast time to publicize Authority activities and events.

As in previous years, a photographic record was maintained of Authority projects and events throughout the year. This required nine helicopter flights to take aerial shots of projects, especially along the waterfront and the river valleys.

During 1990, Community Relations produced many new printed materials, including an updated watershed map and corporate brochure; a corporate calendar and directory; the 1989 Annual Report; two editions of Highlights, a newsletter for partners; and three editions of the publication Focus on Greenspace. Many of these printed materials were included in two information packages provided to new MPPs in the Authority's watershed, as an introduction to the Authority and its work.

All major brochures included a mention of The Conservation Foundation of Greater Toronto and its work.

The Authority's greenspace audio-visual presentation was updated, and the greenspace exhibit was displayed at the Kortright Centre and at many special functions.

In 1990, Community Relations undertook a number of special projects.

- A new Public Communications Strategy was prepared and accepted. This Strategy formalizes messages and communications designed to generate awareness and support of the Authority's watershed management programs and practices. It incorporates policies and plans, and it outlines existing and new promotion and publicity strategies aimed at audiences.
- Extensive creative support was provided by the graphics department to the Foundation for the development of a corporate logo and associated images for a number of printed materials and signage.
- In co-operation with the Ontario Ministry of Natural Resources, a news release, a photo release, three flyers, a brochure and a number of promotional items were produced for Metro Fishing Week, July 8-15.
- The Authority's stationery was redesigned to include the new slogan "Working Together for Tomorrow's Greenspace."
- A special publication entitled Conservation Questions and Answers was produced and distributed.

Community Relations also organized many special events in 1990:

- the 34th Annual Inaugural Meeting on Feb. 23;
- Maple Syrup Day on Mar. 24;
- Arbor Day and the Honour Roll Awards Presentation on May 11;
- the 14th Annual Garden Party, the presentation of Service Recognition Awards and a ribbon-cutting at Black Creek Pioneer Village's Lumber Storage Shed on June 15;
- the official opening of the Richmond Hill Manse at the Village on Sept. 16;
- a special site visit and tree-planting dedication in appreciation of Ducks Unlimited Canada, Trees for Today and Tomorrow, Environment Canada, the Ontario Ministry of Natural Resources and the Town of Caledon for the Caledon Tract Wetland Enhancement Project and the Humber River Watershed Restoration Project on Oct. 19; and
- a site visit and ceremonial tree-planting in recognition of the Rotary Club of Toronto's donation to The Conservation Foundation of Greater Toronto on Nov. 8.

Mayor of the City of Scarborough Joyce Trimmer and Tim Rance of the Ministry of Natural Resources participating in Metro Fishing Day activities at the Rouge River Marsh.

Pickering Councillor Doug Dickerson and Chairman of the Authority's Water and Related Land Management Advisory Board Don Jackson enjoying maple syrup with other guests at Black Creek Pioneer Village.

Attending a ceremony to commemorate the planting of more than 40,000 trees and shrubs in the Humber Watershed were (left to right) Authority Chairman John McGinnis, Acting Mayor of the Town of Caledon Don Currie, Trees for Today and Tomorrow Director Aird Lewis and Program Officer Paul Bubelis from the Environmental Partners Fund of Environment Canada.

The second year of the Visitor Research Program was completed. The main objective of the Program is to determine where visitors to the public use facilities come from and to provide the Authority's municipal partners with detailed statistics.

The Program also aids future promotional and developmental efforts and measures visitor satisfaction with Authority programs and services. In 1990, a special visitor profile summary was completed for use in promoting Black Creek Pioneer Village to prospective business partners. This profile will help position the Village as a site appealing to a vast array of existing and new audiences.

Facilities Marketing

Visitation in 1990 was slightly less than that of the preceding year, particularly at sites with a considerable dependency on out-of-province guests. Market share of Authority sites, however, did not drop significantly. All sites continued to use a good marketing mix and to attract and serve many publics. An active communications and sales plan and working in conjunction with site programs and activities ensured a healthy level of new and repeat business. Fortunately, the Authority's facilities did not experience as dramatic a downward visitation trend as some other segments of the market.

A) Black Creek Pioneer Village

General marketing highlights for the Village in 1990 included production of a new high impact color brochure, a corresponding poster, an events calendar for distribution on and off-site to stimulate repeat visits, a vastly improved group sales guide and a weddings sales kit for the Village and Food Services.

Black Creek participated in successful co-operative marketing programs such as: AAA/CAA discounts; Toronto Doubles Your Adventure and Summer Good Fun via the Metropolitan Toronto Convention & Visitors Association; The Toronto Sun Tourism Awareness Week supplement; Entertainment Plus promotions with Toronto Life Magazine; and the Ontario Ministry of Tourism and Recreation's Incredible Ontario Summer Program.

Specialized arts and culture co-operative promotions included reciprocal admission tickets and Heart Of Our Country group tour programs with the McMichael Canadian Art Collection.

An agreement was reached to sell Canada's Wonderland passports at Black Creek and, through commission on the sale of tickets, a new source of revenue was found.

Toronto Star advertising, sponsorships by Kids Toronto and Canada Packers Inc. and events programming helped increase fall and early winter attendance at the Village.

Community Relations continued its special promotions involvement with agencies such as Attractions Ontario, the Metropolitan Toronto Convention & Visitors Association, York Region Tourism, Metropolitan Toronto Attractions Council, Canadian Public Relations Society and the International Association of Business Communicators.

A delegation of tour operators and travel counsellors from New York State visiting Black Creek Pioneer Village.

A poster promoting the Village.

Group sales activities in 1990 focused on attracting and serving an increasing number of corporate, community and special interest groups. Major clients included Volvo and IBM of Canada Ltd. Sales ventures at the American Bus Association's Annual Marketplace in Niagara Falls, N.Y. and at the National Tour Association Convention in Montreal, as well as travel trade promotions throughout the New England area, were carried out.

B) Kortright Centre for Conservation

A new flagship publication, the Kortright tabloid, was introduced to reach potential new audiences.

For the first time, Toronto Star advertising was purchased this year to increase visitor awareness of Kortright and its programs.

In May, the Four Winds Kite Festival broke all records by attracting the largest single-day attendance in Kortright's history - 3,400 people.

C) Conservation Areas

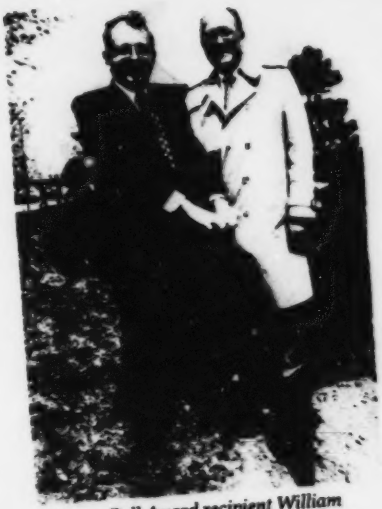
Indian Line Campground's Camping Plus! promotion offered campers more and better discounts to Metropolitan Toronto attractions. More than 3,000 Canada's Wonderland passports were sold to campers at a discounted rate, providing a commission to the Authority.

The first Bruce's Mill Conservation Area Maple Syrup Festival was held in March and was so enthusiastically received it will now become an annual event.

The Arts and Crafts Festival at Heart Lake Conservation Area surpassed visitor attendance and artisan sales expectations in its second year. The fall event is already a Brampton community tradition.

Conservation area staff participated in such high profile outdoor events as the Toronto Sportsmen's Show, the Harbourfront Winter Fest, the Hunting and Outdoor Show and the City of North York Winter Carnival.

A wide variety of publications were produced to promote the public use facilities.



Honour Roll Award recipient William G. McLean (left) with Authority member and Mayor of Ajax Jim Witty.

Catherine Thuro received an award for volunteering her expertise and time to Black Creek Pioneer Village in launching The Kerosene Era exhibit. Norm Lee of the Foundation assists.

Recipient Janice Palmer (right), a teacher at North Toronto Collegiate Institute, with Authority member Bev Salmon.

The Service Recognition Awards Program, adopted in 1976, is a way of paying tribute to those members and staff recognized as having made outstanding contributions to the interests of the Authority. There are two categories of awards: Honour Roll Awards and Service Recognition Awards.

Honour Roll Awards are granted to persons and/or corporate bodies who have made a significant contribution to the overall aims and objectives of The Metropolitan Toronto and Region Conservation Authority. Each award consists of a framed citation and is marked by a tree planted and identified with the recipient's name in designated areas around the Authority Head Office and at Black Creek Pioneer Village.

The 1990 Honour Roll Award recipients were George and Eleanor Craib, landowners who devoted more than 30 years towards reforestation and tree-planting; William G. McLean, former mayor of the Town of Ajax and Chairman of the Water and Related Land Management Advisory Board from 1986 to 1988; Janice Palmer, a teacher at North Toronto Collegiate Institute who led her classes in tree-plantings and stream cleanups; Catherine Thuro who volunteered her expertise and many hours of her time to Black Creek Pioneer Village in launching the exhibit The Kerosene Era; C. W. Jefferys Chapter IODE, a major contributor to Black Creek Pioneer Village; and The Canadian National Sportsmen's Shows, a generous supporter of the Authority and its programs through The Conservation Foundation of Greater Toronto.

Honour Roll Award recipients George and Eleanor Craib, landowners, with their daughter, Trissi, and the Mayor of Caledon Emil Kolb (on the left).

Valerie Nogas accepting an Honour Roll Award on behalf of The Canadian National Sportsmen's Shows, a generous supporter of the Authority through The Conservation Foundation of Greater Toronto, represented by Chairman Ken Smee.

Black Creek Administrator Russ Cooper with members of the C.W. Jefferys Chapter IODE, a major contributor to the Village.

The Service Recognition Awards Program was created to recognize Authority, Advisory Board and Foundation members, as well as staff and volunteers, on an annual basis. The awards are based on years of service.

In 1990, Gold Medallions were presented to the following staff with 25 years of service: Francis S. Casey, Russell K. Cooper, David G. Dyce, Barry E. Knox and James V. Moravek. Herbert A. McIntosh, who retired with more than 20 years of service, also received a Gold Medallion.

Silver Medallions for 10 years of service were presented to Lawson Allison, James B. Berry, Carol A. Cook, Cyril B. Gilbert, Marion LeBlanc, John Manson, David K. Monkman, Adele Montgomery, Barbara R. Stafford, Lorraine Wigham, Alan A. Willison, Marilyn J. Wilson and Charles H. Wylie.

Lifetime Passes were presented to the following staff, all with 15 years of service: Shirley W. Allen, Frank T. Cannon, Peter A. Head, Martin J. Lamers and J. Dennis MacKay. In addition, Lawson Allison, Margaret Duncan, Cyril B. Gilbert and John Grant received Lifetime Passes, having left the employ of the Authority after 10 years.

Silver Logo Pins for three years of service were presented to Authority member Howard Moscoe and Joyce Trimmer and to William Care, a volunteer.

A Gold Logo Pin was presented to Harvey H. Clare, a Foundation member for 10 years. The following Authority members received Gold Logo Pins and Lifetime Passes for six years of service: William B. Granger, Richard M. O'Brien, Nancy Porteous-Koehle and Helen White.

Scrolls of Appreciation were presented to Bonnie Banks, Eliseo Sartor and John Susin.

Two important members of the Authority passed away in 1990. Dr. Thomas H. Leith, an active member of the Authority since 1975, served as both vice-chairman and then chairman of the Information and Education Advisory Board. He was a director of The Metropolitan Toronto and Region Conservation Foundation from 1977 until his death and vice president from 1984 on. For more than 13 years, he also chaired The B. Harper Bull Conservation Fellowship Awards Committee. Dr. Leith was associate dean of Atkinson College at York University, a York University pioneer and a founding governor of Seneca College.

Dr. John W. Kucherepa joined the Authority in 1957 and served on various advisory boards. In 1971, he was issued a Lifetime Pass recognizing his years of service. Dr. Kucherepa was also a former councillor of the City of Toronto.

Authority members present at the Annual Meeting (Feb. 23, 1990): Seated — (left to right) R.A.P. Moran, M. Britnell, F. McKechnie, N. Porteous-Koehle, F. Andrews, J.A. McGinnis, M. Labatte, G.W. Patterson, L. Hancey, B. Salmon, P. Abtan. Standing — (left to right) W.B. Granger, J. Witty, A.F. Ruggero, E.V. Kolb, M. Prentice, S. Cavalier, I. Bossons, L.E. Griffin, L. Jackson, D. Jackson, R.M. O'Brien. Absent: R. Gilbert, B.G. Harrison, R. Hollander, E. King, H. Moscoe, D. Patterson, J. Trimmer, K. Van Kempen.

On June 5, 1990, The Metropolitan Toronto and Region Conservation Foundation became The Conservation Foundation of Greater Toronto. This was the first of many changes as the Foundation took on a role in funding the Authority's greenspace projects. With Authority support, the Foundation aims to increase its fundraising capacity substantially in the future.

In 1990, $211,000 was received in donations and interest for projects, bringing the Foundation's fundraising total to more than $5,600,000 since its inception in 1961.

Nineteen ninety was a year of investment, growth and repositioning. In addition to the Foundation's name change, the office and its facilities and services were greatly augmented. A successful prospect mail campaign and Christmas promotion were undertaken.

Black Creek Pioneer Village received 42 per cent of the 1990 revenue, or $89,900, in support of the Hazel Beckett Memorial Lighting Fund, the Nesbitt Sawmill and the restoration of the Dalziel Home and Barn.

Donors contributed goods/services and cash of $34,000 to the Kortright Centre for Conservation in 1990. This included a substantial donation from Petro-Canada to cover the sponsorship of a multinode display module; two display units from Henry Birks & Sons Limited; two cassette tape decks for use with the Centre's audio-visual presentations from TEAC Canada Ltd.; and an antique cast iron kettle for the maple syrup program from Joe Cearns. Kodak Canada Inc. continued its support of the Centre by providing photographic supplies.

In March, the Foundation welcomed a donation co-ordinator on a one-year secondment from the Conservation Authorities and Water Management Branch of the Ontario Ministry of Natural Resources. The donation co-ordinator took responsibility for the promotion development and fundraising of the Tree Donation Program. Increased marketing of the Program resulted in revenues in excess of $7,000 for the year, while both the Paul Flood Memorial Fund and Bruce's Mill received some support.

The Foundation devoted much of its effort in 1990 to developing a strong structure for its 1990/91 campaign – The Environmental Rehabilitation of the East Don River Valley and, in particular, the Charles Sauriol Conservation Reserve. Although fundraising was minimal, the Don River valley campaign received $49,500 from interested organizations and individuals. This included a leadership gift from the Rotary Club of Toronto and major contributions from Ernest M. Raltz; Gardiner, Roberts; The Hope Charitable Foundation; David Melnik; Gordon W. Patterson; and The Royal Bank of Canada. Application has been made to Environment Canada for a $100,000 grant. Another application has been made to the Ontario Ministry of Natural Resources for a grant of $100,000. Both grants, if approved, must be matched with public donations. The campaign launch is scheduled for April 1991 with an objective of $540,000.

For many years, the Foundation has offered conservation scholarships to students under The B. Harper Bull Conservation Fellowship Awards Fund. In 1990, scholarships were offered to two students from the University of Waterloo, a student from York University and a student from the University of Toronto.

The Lieutenant Governor of Ontario, The Honourable Lincoln M. Alexander, became Honorary Patron of The Conservation Foundation of Greater Toronto in 1990.

In 1990, the Conservation Foundation created two categories of honorary membership: Director Emeritus for outstanding and long-term service and Honorary Director for special service to the Foundation. During the year, Edna Gardner and Florence Gell were elected Director Emeritus in honor of their outstanding contributions to the Foundation for many years.

At the Annual Meeting of the Conservation Foundation held at Black Creek Pioneer Village in May the following officers were elected: Kenneth A. Smee, chairman; Gordon W. Patterson, president and Florence Gell, deputy chairman. James Keenan, retired deputy minister of the Ontario Ministry of Tourism and Recreation, was also appointed a member and director of the Foundation.

In 1990, David Melnik resigned from the Foundation. The Foundation suffered yet another loss upon the death of Dr. Thomas H. Leith, who joined in 1977. Dr. Leith became vice-president in 1984 and was chairman of The B. Harper Bull Conservation Fellowship Awards Committee for more than 13 years.

The Conservation Foundation of Greater Toronto helped fund the restoration of the Dalziel Home.

Foundation donations will repair eroding streambanks in the Charles Sauriol Conservation Reserve.

Executive Committee

Chairman
Kenneth A. Smee

President
Gordon W. Patterson

Gordon R. Baker
James M. Cameron
Florence Gell*
William R. Herridge
Wayne L. Naughty
Thomas R. Webb

Fundraising Committees
Norman O. Lee

Secretary-Treasurer
William A. McLean

Executive Co-ordinator
Waneeta Robertson

Members/Directors
Robert W. Babensee
Gordon R. Baker
James M. Cameron
Harvey H. Clare
Edna Gardner*
Florence Gell*
Robert S. Gillespie
William B. Granger
William R. Herridge
James W. Keenan*
Arthur D. Latornell
Thomas H. Leith*
William R. Livingston
David Melnik*
William B. Misener
Wayne L. Naughty
Donna M. Patterson
Gordon W. Patterson
Kenneth A. Smee
Thomas R. Webb
Leonard R. Woolsey

Directors Emeritus
Edna Gardner
Florence Gell

**part-year*

A tree-planting in honor of the Rotary Club of Toronto's donation to The Conservation Foundation of Greater Toronto, attended by (left to right) Conservation Foundation Chairman Ken Smee; Authority Chairman John McGinnis; Gary Malkowski, MPP, York East; Mayor of the Borough of East York David Johnson and Rotary Club of Toronto President Blake Moore.

Organization Chart

The Metropolitan Toronto and Region Conservation Authority

Member Municipalities and Members 1990

Adjala & Mono Townships
D. Patterson

The Municipality of Metropolitan Toronto
P. Abtan
M. Augimeri*
I. Bossons
S. Cavalier
R. Gilbert*
W. Granger
L. Griffin
B. Harrison
R. Hollander
M. Labatte
J. McGinnis
H. Moscoe
R. O'Brien
B. Salmon
J. Trimmer

The Regional Municipality of Durham
D. Jackson
K. Van Kempen
J. Witty

The Regional Municipality of Peel
F. Andrews
E. Kolb
F. McKechnie
N. Porteous-Koehle
M. Prentice

The Regional Municipality of York
M. Britnell
L. Hancey
L. Jackson
E. King
R. Moran

Province of Ontario*
G. Patterson
A. Ruggero
One vacancy

**part-year*

Executive Committee

Chairman of the Authority
Metropolitan Toronto
J. McGinnis

Vice Chairman
Province of Ontario
G. Patterson

Chairman of Finance & Administration
Metropolitan Toronto
R. O'Brien

Chairman of Conservation & Related Land Management
Region of Peel
E. Kolb

Chairman of Water & Related Land Management
Region of Durham
D. Jackson

Metropolitan Toronto
W. Granger

Region of York
L. Hancey

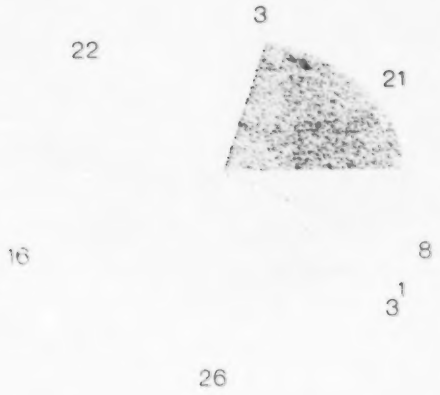
Metropolitan Toronto
B. Harrison

General Manager
W.A. McLean

Finance & Administration	Water Resource	Field Operations	Program Services
Director	Director	Director	Director
J.W. Dillane	J.C. Mather	J.D. Agnew	T.E. Barber

Sources of Funding
($34,066,300)

Province of Ontario (Ministry of Natural Resources)	$7,092,400	21%
Province of Ontario (Other Ministries)	1,033,000	3%
Municipal Levy – General	7,388,600	22%
Municipal Levy – Capital	5,603,500	16%
User Fees and Sales	8,690,000	26%
Reserves	1,145,500	3%
Donations – Conservation Foundation	468,300	1%
Other Revenues	2,645,000	8%
	$34,066,300	



Allocation of Funds
($34,066,300)

Finance & Administration

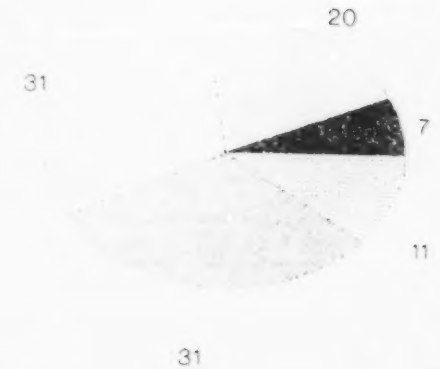
Administration	$2,300,300	7%

Water & Related Land Management

Program Administration Operations & Maintenance	$6,698,400	20%
Planning & Development	$10,768,400	31%

Conservation & Related Land Management

Program Administration Operations & Maintenance	$10,447,000	31%
Planning & Development	$3,852,200	11%



Educational Programs 1990

	Participants
Conservation Field Centres	
Albion Hills	2,550
Albion Hills/Etobicoke Centre	2,560
Claremont	3,250
Boyd	2,270
Lake St. George	4,450
Cold Creek	3,600
Black Creek Pioneer Village	
Educational Tours	55,900
Pioneer Life Program	12,000
Dickson Hill School Program	4,304
Kortright Centre for Conservation	
Educational Programs	67,500
Bruce's Mill	
Maple Syrup Educational Programs	6,400
Total	164,784

Total Visitations

Conservation Areas & Forest & Wildlife Areas	Hectares	1957-1989	1990	Total
Albion Hills	449	5,115,496	87,880	5,203,376
Black Creek	34	7,166,456	254,948	7,421,404
Boyd	96	6,043,364	79,489	6,122,853
Bruce's Mill	92	3,947,441	130,364	4,077,805
Claireville	389	1,841,309	7,079	1,848,388
Claremont	160	413,877	–	413,877
Cold Creek	189	1,002,142	2,758	1,004,900
Glen Haffy	325	1,616,972	37,314	1,654,286
Greenwood	283	1,952,520	44,569	1,997,089
Heart Lake	169	4,558,767	64,319	4,623,086
Humber Trails	20	91,950	–	91,950
Indian Line Campground	29	842,687	40,991	883,678
Kortright	162	832,322	110,993	943,315
Lower Rouge	69	247,782	–	247,782
Milne	119	208,759	–	208,759
Palgrave	229	187,122	301	187,423
Petticoat Creek	68	1,510,362	110,376	1,620,738
Woodbridge	31	364,002	–	364,002
Total	**2,913**	**37,943,330**	**971,381**	**38,914,711**

Reforestation 1990

Trees Planted on Private Lands

Adjala	11,200
Brampton	22,000
Caledon	43,250
King	30,000
Mono	4,000
Uxbridge	7,000
Total	**117,450**

Trees Planted on Authority Lands

Albion Hills Conservation Area	2,500
Bolton Resource Management Tract	38,417
Boyd Conservation Area	3,050
Milne Park	5,000
Nashville Resource Management Tract	5,000
Snelgrove Resource Management Tract	2,500
Glen Major Resource Management Tract	5,000
Total	**61,467**

Trees Planted on Municipal Lands

Brampton	11,500
Total	**11,500**

Deciduous Tree and Shrub-Plantings

	Private Lands	Authority Lands	Municipal Lands	Total
Caliper Trees	206	87	747	1,040
Bare Root Trees	2,081	2,395	3,147	7,623
Bare Root Shrubs	8,475	10,345	8,177	26,997
Balled and Burlapped Trees	1,055	54	202	1,311
Total	**11,817**	**12,881**	**12,273**	**36,971**

Lands Acquired by Watershed as of December 31, 1990

Watershed	Forestry	Niagara Escarpment	Forest & Wildlife Area	Conservation Area	Waterfront	Flood Control & Water Conservation	Total Hectares
Etobicoke				169		184	353
Mimico Creek						40	40
Humber River	756	172	318	1,745		3,558	6,549
Don River				4		868	872
Highland Creek				48		340	388
Rouge River				108		983	1,091
Duffin Creek	38		761	436		391	1,626
Petticoat Creek				72		9	81
Carruthers Creek						17	17
Lake Ontario Waterfront				20	1,219		1,239
Total	**794**	**172**	**1,079**	**2,602**	**1,219**	**6,390**	**12,256**

Land Acquisition as of December 31, 1990

Watershed	Forestry	Niagara Escarpment	Forest & Wildlife Area	Conservation Area	Waterfront	Flood Control & Water Conservation	Total Hectares
Up to and including 1989	794	172	1,079	2,602	1,215	6,400	12,262
Acquired during 1990					4	15	19
Adjustments, due to sales, abandonments, transfers, etc.						25	25
Total	**794**	**172**	**1,079**	**2,602**	**1,219**	**6,390**	**12,256**

SUMMARIZED FINANCIAL STATEMENTS

THE METROPOLITAN TORONTO AND REGION CONSERVATION AUTHORITY

December 31, 1990

ERNST & YOUNG

AUDITORS' REPORT

To the Members of
The Metropolitan Toronto and
Region Conservation Authority

We have audited, in accordance with generally accepted auditing standards, the financial statements of **The Metropolitan Toronto and Region Conservation Authority** for the year ended December 31, 1990 which were prepared in accordance with accounting principles prescribed for Ontario Conservation Authorities as explained in note 1 to the financial statements, and have reported thereon without reservation to the members on February 12, 1991. Our audit included the accompanying balance sheet, statement of operations and deficit and notes to financial statements.

In our opinion, the accompanying balance sheet, statement of operations and deficit and notes to financial statements fairly summarize the related information contained in the full financial statements which we audited.

Ernst + Young

Toronto, Canada,
February 12, 1991.

Chartered Accountants

The Metropolitan Toronto and Region Conservation Authority
Established under the Conservation Authorities Act of Ontario

BALANCE SHEET

As at December 31

Statement 1

	1990 $	1989 $
ASSETS		
Cash and short-term investments	6,486,552	1,597,288
Receivables		
Ministry of Natural Resources transfer payments	1,397,287	1,105,030
Other	1,474,806	2,025,337
Inventory	447,660	487,944
Temporary investment in property *[note 3]*	528,000	974,400
	10,334,305	6,189,999
LIABILITIES AND EQUITY		
Liabilities		
Accounts payable and accrued charges	2,148,662	2,091,877
Mortgage payable	—	650,000
Deferred revenue		
Municipal levies	715,387	891,539
Other	848,386	440,231
Total liabilities	3,712,435	4,073,647
Equity		
Reserves	6,862,783	2,190,043
Deficit *[statement 2]*	(240,913)	(73,691)
Total equity	6,621,870	2,116,352
Contingent liabilities and commitments *[note 4]*		
	10,334,305	6,189,999

See accompanying notes

On behalf of the Authority:

Chairman

Secretary-Treasurer

The Metropolitan Toronto and Region Conservation Authority

STATEMENT OF OPERATIONS AND DEFICIT

Year ended December 31

Statement 2

	1990 Budget $	1990 Actual $	1989 Actual $
REVENUE			
Government grants			
MNR transfer payments	7,092,437	11,065,087	7,138,809
Provincial - other	1,033,000	877,295	2,072,248
Municipal			
General levies	7,388,577	7,388,577	6,703,819
Special levies	5,603,471	12,413,414	6,259,209
Other	—	117,698	49,800
User fees and sales			
Conservation areas	1,579,335	1,762,960	1,794,855
Conservation services	233,700	242,000	291,753
Black Creek Pioneer Village	2,869,925	2,599,935	2,634,369
Conservation education	2,186,500	2,106,219	2,074,641
Rental properties	500,000	499,657	519,259
Interest income			
General	140,000	204,523	197,344
Allocated to reserves	—	1,200,912	159,418
The Conservation Foundation of Greater Toronto	158,300	55,031	188,503
Proceeds from sale of properties	2,600,000	12,052,287	1,452,292
Tipping fees	1,004,000	1,058,809	1,169,410
Donations and sundry	531,500	272,776	564,394
Special projects	—	1,048,213	1,271,263
	32,920,745	54,965,393	34,541,386
EXPENDITURES			
Administration	2,300,272	2,421,223	2,027,418
Water and related land management	17,466,795	34,146,578	19,178,856
Conservation and recreation land management	13,779,151	12,717,595	12,363,948
Special projects	—	1,048,259	1,275,590
Other			
Vehicle & Equipment	—	166,158	79,540
Food service equipment	—	(39,938)	79,743
	33,546,218	50,459,875	35,005,095
Excess of revenue over expenditures (expenditures over revenue) for the year	(625,473)	4,505,518	(463,709)
Surplus (deficit), beginning of year	(73,691)	(73,691)	1,901
Appropriations from (to) reserves - net	625,473	(4,672,740)	388,117
Deficit, end of year	(73,691)	(240,913)	(73,691)

See accompanying notes

The Metropolitan Toronto and Region Conservation Authority

NOTES TO FINANCIAL STATEMENTS

December 31, 1990

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

These financial statements are prepared in accordance with Accounting Principles and Financial Reporting Requirements for Conservation Authorities in Ontario as approved by the Association of Conservation Authorities of Ontario and the Ministry of Natural Resources ["MNR"]. The more significant accounting policies are summarized as follows:

Accrual accounting

The accrual basis of accounting is used to record expenditures in the period in which costs are incurred and to recognize revenue in the period in which it is earned, except that sick leave benefits are recorded as an expenditure when paid *[note 4[c]]*.

Deferred revenue

Grants, municipal levies and other amounts received in advance of directly related expenditures are deferred and are recognized as revenue when the expenditures are incurred.

Capital expenditures

The cost of capital assets is charged to operations in the year of acquisition.

Inventory

Inventory is valued at the lower of cost and replacement cost.

Special projects

Special projects represent unbudgeted expenditures incurred as a result of receiving special unbudgeted revenue principally from the provincial and federal governments and municipalities.

Vehicle & Equipment and food service equipment

The Authority operates vehicles and equipment. Internal charges for the use of the vehicles and equipment are made to the various projects of the Authority and are included in the applicable expenditure categories. Charges are approved as follows:

Vehicle & Equipment - at rates approved by the MNR.

Food service equipment - at a rate approved annually with the adoption of the food service operation program budget.

Actual expenditures incurred, net of recoveries from these internal charges, are charged or credited to operations as other expenditures on the statement of operations and deficit.

2. RESERVE FOR FUNDS HELD UNDER PROVINCIAL REVENUE SHARING POLICY

The Authority is required by the MNR to segregate the proceeds on the sale of properties or other non-renewable resources. As permitted by the MNR, the funds are held in a reserve and are applied to approved projects. Interest at prevailing market rates is imputed on the unspent balance in the reserve.

The appropriations to (from) the reserve for 1990 and 1989 are based upon the following transactions recorded in operations:

	1990 $	1989 $
ADDITIONS		
Proceeds from sale of properties	12,052,287	1,452,292
Interest	1,086,165	94,552
	13,138,452	1,546,844
APPLICATIONS		
Land acquisition project	8,483,026	1,872,569
Conservation area redevelopment - Boyd	6,596	8,281
Extension of the Glen Major Forest and Wildlife Area	554	481,271
Special levies	—	145,229
	8,490,176	2,507,350
Appropriations to (from) reserve	4,648,276	(960,506)

Proceeds from sale of properties includes an amount of $400,000 received on account of a sale of property of which the closing is conditional upon receiving approval of the Lieutenant Governor-in-Council pursuant to the Conservation Authorities Act. Such approval has not been received as at February 12, 1991.

3. TEMPORARY INVESTMENT IN PROPERTY

The Authority purchased one property in 1990 in order that a project could be completed on adjacent land. It is the intention of the Authority to resell the property in 1991. The property is carried at its estimated realizable value, net of estimated selling costs.

NOTES TO FINANCIAL STATEMENTS

December 31, 1990

4. CONTINGENT LIABILITIES AND COMMITMENTS

[a] Legal actions and claims

The Authority received a Statement of Claim during 1989 naming the Province of Ontario, the Authority and the vendor of a property as defendants under a legal action claiming damages of $14,760,000. The Authority's solicitor has forwarded a Statement of Defence to the court. It is not possible at this time to determine the outcome of this claim and therefore no provision has been made in these financial statements.

The Authority has received Statements of Claim as defendant under various legal actions resulting from fatalities, personal injuries and flooding on or adjacent to its properties. The Authority maintains insurance coverage against such risks and has notified its insurers of the legal actions and claims. It is not possible at this time to determine the outcome of these claims and therefore no provision has been made in these financial statements.

[b] Niagara Escarpment land acquisition

During 1989, the Authority purchased a property at a cost of $1,349,043 as part of the Niagara Escarpment land acquisition project. The purchase was funded by grants received from the Ontario Heritage Foundation [the "Foundation"]. If the Authority retains the entire property, it will be required to reimburse the Foundation an amount of $750,000 prior to September 21, 1991. The Authority has different options available to finance this amount, including funds already approved for this purpose held in the reserve for funds held under provincial revenue sharing policy.

[c] Sick leave

Prior to 1981, the Authority provided sick leave arrangements for all full-time employees, under which unused benefits were accumulated and were payable upon termination of employment after a qualifying length of service. Existing benefits accumulated to December 31, 1980 are paid upon termination of employment or to supplement short-term disability benefits. At December 31, 1990, the maximum potential liability for such payments was approximately $766,000 [1989 - $765,000].

5. SETTLEMENT OF EXPROPRIATION CLAIM

The Authority and the claimant agreed in March, 1990 to the settlement of a claim arising from the appropriation of a property during 1987 pursuant to the Expropriations Act. Under the settlement, the Authority paid $15,658,378 during 1990 to the claimant in full settlement of the claim.

NOTES TO FINANCIAL STATEMENTS

December 31, 1990

6. 1990 BUDGET FIGURES

The 1990 budget figures included in these financial statements are those adopted by the Authority on March 23, 1990.

7. COMPARATIVE FIGURES

Certain of the 1989 comparative figures have been reclassified to conform to the presentation adopted in the current year.

This attractive graphic symbol is the corporate logo for The Metropolitan Toronto and Region Conservation Authority. Its contemporary design reflects the forward thrust of the Authority's programs and achievements.

It effectively combines three elements associated with conservation in its design and colors. The modified triangular shape is an accepted topographical marking used to designate a boundary, a point of elevation or a place of special interest. The alternating line was commonly used in ancient times to symbolize water on a river bed. The two colors, blue bottom and green top, represent grass, trees and water – three components closely associated with conservation.

The logo appears on stationery, signs, vehicles, crests, uniforms and printed materials produced by Metro Region Conservation.

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